Bruce N Ames

List of Publications by Year
in descending order

280 papers	57,879 citations	1612 105 h-index	1024 235 g-index
285 all docs	285 docs citations	285 times ranked	31198 citing authors

#	Article	IF	Citations
1	Methods for detecting carcinogens and mutagens with the salmonella/mammalian-microsome mutagenicity test. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1975, 31, 347-363.	0.4	6,858
2	Revised methods for the Salmonella mutagenicity test. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1983, 113, 173-215.	0.4	6,361
3	A Method for Determining the Sedimentation Behavior of Enzymes: Application to Protein Mixtures. Journal of Biological Chemistry, 1961, 236, 1372-1379.	1.6	5,290
4	The Free Radical Theory of Aging Matures. Physiological Reviews, 1998, 78, 547-581.	13.1	3,323
5	The Role of Polyamines in the Neutralization of Bacteriophage Deoxyribonucleic Acid. Journal of Biological Chemistry, 1960, 235, 769-775.	1.6	2,451
6	Positive control of a regulon for defenses against oxidative stress and some heat-shock proteins in Salmonella typhimurium. Cell, 1985, 41, 753-762.	13.5	1,069
7	Oxidative Decay of DNA. Journal of Biological Chemistry, 1997, 272, 19633-19636.	1.6	850
8	Too many rodent carcinogens: mitogenesis increases mutagenesis. Science, 1990, 249, 970-971.	6.0	800
9	Detection of picomole levels of hydroperoxides using a fluorescent dichlorofluorescein assay. Analytical Biochemistry, 1983, 134, 111-116.	1.1	782
10	Î³-Tocopherol, the major form of vitamin E in the US diet, deserves more attention. American Journal of Clinical Nutrition, 2001, 74, 714-722.	2.2	678
11	Endogenous Oxidative DNA Damage, Aging, and Cancer. Free Radical Research Communications, 1989, 7, 121-128.	1.8	632
12	Endogenous mutagens and the causes of aging and cancer. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 250, 3-16.	0.4	626
13	Naturally occurring carbonyl compounds are mutagens Salmonella tester strain TA104. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1985, 148, 25-34.	0.4	532
14	Memory loss in old rats is associated with brain mitochondrial decay and RNA/DNA oxidation: Partial reversal by feeding acetyl-L-carnitine and/or R-Â-lipoic acid. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2356-2361.	3.3	480
15	A carcinogenic potency database of the standardized results of animal bioassays. Environmental Health Perspectives, 1984, 58, 9-319.	2.8	470
16	DNA damage from micronutrient deficiencies is likely to be a major cause of cancer. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2001, 475, 7-20.	0.4	454
17	Detection and characterization of lipid hydroperoxides at picomole levels by high-performance liquid chromatography. Analytical Biochemistry, 1987, 160, 7-13.	1.1	407
18	Molecular analysis of H2O2-induced senescent-like growth arrest in normal human fibroblasts: p53 and Rb control G1 arrest but not cell replication. Biochemical Journal, 1998, 332, 43-50.	1.7	400

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19	Chronically and acutely exercised rats: biomarkers of oxidative stress and endogenous antioxidants. Journal of Applied Physiology, 2000, 89, 21-28.	1.2	360
20	Low intracellular zinc induces oxidative DNA damage, disrupts p53, NFÂB, and AP1 DNA binding, and affects DNA repair in a rat glioma cell line. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16770-16775.	3.3	359
21	An overview of evidence for a causal relation between iron deficiency during development and deficits in cognitive or behavioral function. American Journal of Clinical Nutrition, 2007, 85, 931-945.	2.2	359
22	Is there convincing biological or behavioral evidence linking vitamin D deficiency to brain dysfunction?. FASEB Journal, 2008, 22, 982-1001.	0.2	355
23	Is docosahexaenoic acid, an nâ˜'3 long-chain polyunsaturated fatty acid, required for development of normal brain function? An overview of evidence from cognitive and behavioral tests in humans and animals. American Journal of Clinical Nutrition, 2005, 82, 281-295.	2.2	351
24	Vitamin D and the omegaâ€3 fatty acids control serotonin synthesis and action, part 2: relevance for ADHD, bipolar disorder, schizophrenia, and impulsive behavior. FASEB Journal, 2015, 29, 2207-2222.	0.2	343
25	Is docosahexaenoic acid, an nâ˜'3 long-chain polyunsaturated fatty acid, required for development of normal brain function? An overview of evidence from cognitive and behavioral tests in humans and animals. American Journal of Clinical Nutrition, 2005, 82, 281-295.	2.2	341
26	Low micronutrient intake may accelerate the degenerative diseases of aging through allocation of scarce micronutrients by triage. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17589-17594.	3.3	340
27	Immobilization stress causes oxidative damage to lipid, protein, and DNA in the brain of rats. FASEB Journal, 1996, 10, 1532-1538.	0.2	334
28	Procedure for Identifying Nonsense Mutations. Journal of Bacteriology, 1968, 96, 215-220.	1.0	333
29	Acarbose, 17â€Î±â€estradiol, and nordihydroguaiaretic acid extend mouse lifespan preferentially in males. Aging Cell, 2014, 13, 273-282.	3.0	331
30	Assays for 8-hydroxy-2â€²-deoxyguanosine: A biomarker of in vivo oxidative DNA damage. Free Radical Biology and Medicine, 1991, 10, 211-216.	1.3	325
31	Mitochondrial decay in aging. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1995, 1271, 165-170.	1.8	325
32	Bacterial defenses against oxidative stress. Trends in Genetics, 1990, 6, 363-368.	2.9	324
33	Vitamin D hormone regulates serotonin synthesis. Part 1: relevance for autism. FASEB Journal, 2014, 28, 2398-2413.	0.2	309
34	AppppA and related adenylylated nucleotides are synthesized as a consequence of oxidation stress. Cell, 1984, 37, 225-232.	13.5	305
35	Feeding acetyl-L-carnitine and lipoic acid to old rats significantly improves metabolic function while decreasing oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1870-1875.	3.3	295
36	Î³â€Tocopherol, but not Î±â€tocopherol, decreases proinflammatory eicosanoids and inflammation damage in rats. FASEB Journal, 2003, 17, 816-822.	0.2	294

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37	Iron deficiency and iron excess damage mitochondria and mitochondrial DNA in rats. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2264-2269.	3.3	291
38	High-dose vitamin therapy stimulates variant enzymes with decreased coenzyme binding affinity (increased Km): relevance to genetic disease and polymorphisms. American Journal of Clinical Nutrition, 2002, 75, 616-658.	2.2	283
39	Compounds Which Serve as the Sole Source of Carbon or Nitrogen for Salmonella typhimurium LT-2. Journal of Bacteriology, 1969, 100, 215-219.	1.0	280
40	[2] Assays of oxidative DNA damage biomarkers 8-oxo-2â€²-deoxyguanosine and 8-oxoguanine in nuclear DNA and biological fluids by high-performance liquid chromatography with electrochemical detection. Methods in Enzymology, 1994, 234, 16-33.	0.4	273
41	(R)â€Î±â€Lipoic acidâ€supplemented old rats have improved mitochondrial function, decreased oxidative damage, and increased metabolic rate. FASEB Journal, 1999, 13, 411-418.	0.2	273
42	Oxidants Are a Major Contributor to Aging. Annals of the New York Academy of Sciences, 1992, 663, 85-96.	1.8	271
43	Evaluation of an isoluminol chemiluminescence assay for the detection of hydroperoxides in human blood plasma. Analytical Biochemistry, 1988, 175, 120-130.	1.1	267
44	Classification of aminotransferase (C gene) mutants in the histidine operon. Journal of Molecular Biology, 1966, 21, 335-355.	2.0	262
45	Micronutrients prevent cancer and delay aging. Toxicology Letters, 1998, 102-103, 5-18.	0.4	255
46	Acetyl-l-carnitine fed to old rats partially restores mitochondrial function and ambulatory activity. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9562-9566.	3.3	253
47	Classification and Mapping of Spontaneous and Induced Mutations in The Histidine Operon of Salmonella. Advances in Genetics, 1971, 16, 1-34.	0.8	246
48	Age-associated mitochondrial oxidative decay: Improvement of carnitine acetyltransferase substrate-binding affinity and activity in brain by feeding old rats acetyl-L- carnitine and/or R-Â-lipoic acid. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1876-1881.	3.3	246
49	Are vitamin and mineral deficiencies a major cancer risk?. Nature Reviews Cancer, 2002, 2, 694-704.	12.8	246
50	Methylene blue delays cellular senescence and enhances key mitochondrial biochemical pathways. FASEB Journal, 2008, 22, 703-712.	0.2	242
51	Mutagenesis and carcinogenesis: Endogenous and exogenous factors. Environmental and Molecular Mutagenesis, 1989, 14, 66-77.	0.9	233
52	The Detection of Chemical Mutagens with Enteric Bacteria. , 1971, , 267-282.		231
53	Mutant tRNAHis Ineffective in Repression and Lacking Two Pseudouridine Modifications. Nature: New Biology, 1972, 238, 72-74.	4.5	228
54	Iron Uptake in Salmonella typhimurium : Utilization of Exogenous Siderochromes as Iron Carriers. Journal of Bacteriology, 1972, 111, 731-738.	1.0	227

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55	Histidine regulation in Salmonella typhimurium. Journal of Molecular Biology, 1972, 66, 131-142.	2.0	217
56	Ascorbate: The Most Effective Antioxidant in Human Blood Plasma. Advances in Experimental Medicine and Biology, 1990, 264, 155-163.	0.8	212
57	Iron Transport in Salmonella typhimurium: Mutants Blocked in the Biosynthesis of Enterobactin. Journal of Bacteriology, 1970, 104, 635-639.	1.0	211
58	Heme deficiency may be a factor in the mitochondrial and neuronal decay of aging. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14807-14812.	3.3	210
59	Zinc Deficiency Induces Oxidative DNA Damage and Increases P53 Expression in Human Lung Fibroblasts. Journal of Nutrition, 2003, 133, 2543-2548.	1.3	210
60	The Paper Chromatography of Imidazoles. Journal of the American Chemical Society, 1952, 74, 252-253.	6.6	204
61	The First Step of Histidine Biosynthesis. Journal of Biological Chemistry, 1961, 236, 2019-2026.	1.6	204
62	Assay of Aldehydes from Lipid Peroxidation: Gas Chromatographyâ€“Mass Spectrometry Compared to Thiobarbituric Acid. Analytical Biochemistry, 1997, 245, 161-166.	1.1	203
63	Identification and molecular analysis of oxyR-regulated promoters important for the bacterial adaptation to oxidative stress. Journal of Molecular Biology, 1989, 210, 709-719.	2.0	201
64	Histidine regulatory mutants in Salmonella typhimurium. Journal of Molecular Biology, 1966, 22, 325-334.	2.0	200
65	Mitochondrial Aging: Open Questionsa. Annals of the New York Academy of Sciences, 1998, 854, 118-127.	1.8	200
66	Ascorbate is depleted by smoking and repleted by moderate supplementation: a study in male smokers and nonsmokers with matched dietary antioxidant intakes. American Journal of Clinical Nutrition, 2000, 71, 530-536.	2.2	199
67	Chromosomal alterations affecting the regulation of histidine biosynthetic enzymes in Salmonella. Journal of Molecular Biology, 1963, 7, 23-42.	2.0	195
68	[23] Measurement of antioxidants in human blood plasma. Methods in Enzymology, 1994, 234, 269-279.	0.4	186
69	Â-Tocopherol or combinations of vitamin E forms induce cell death in human prostate cancer cells by interrupting sphingolipid synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17825-17830.	3.3	185
70	A new Salmonella tester strain, TA97, for the detection of frameshift mutagens. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1982, 94, 315-330.	0.4	179
71	[31] Antioxidant activities of bile pigments: Biliverdin and bilirubin. Methods in Enzymology, 1990, 186, 301-309.	0.4	176
72	8-Hydroxydeoxyguanosine and 8-hydroxyguanine as biomarkers of oxidative DNA damage. Methods in Enzymology, 1999, 300, 156-166.	0.4	176

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73	Histidine regulatory mutants in Salmonella typhimurium. Journal of Molecular Biology, 1966, 22, 335-347.	2.0	174
74	Delaying Brain Mitochondrial Decay and Aging with Mitochondrial Antioxidants and Metabolites. Annals of the New York Academy of Sciences, 2002, 959, 133-166.	1.8	174
75	Endogenous oxidative damage of mtDNA. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 424, 51-58.	0.4	173
76	Vitamin K, an example of triage theory: is micronutrient inadequacy linked to diseases of aging?. American Journal of Clinical Nutrition, 2009, 90, 889-907.	2.2	172
77	[54] In Vivo Oxidative DNA damage: Measurement of 8-Hydroxy-2â€²-deoxyguanosine in DNA and urine by high-performance liquid chromatography with electrochemical detection. Methods in Enzymology, 1990, 186, 521-530.	0.4	166
78	Mode of action of the herbicide, 3-amino-1,2,4-triazole(amitrole): Inhibition of an enzyme of histidine biosynthesis. Archives of Biochemistry and Biophysics, 1965, 112, 544-547.	1.4	159
79	Folate Deficiency Inhibits the Proliferation of Primary Human CD8+ T Lymphocytes In Vitro. Journal of Immunology, 2004, 173, 3186-3192.	0.4	158
80	Prolonging healthy aging: Longevity vitamins and proteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10836-10844.	3.3	158
81	Micronutrient Deficiencies: A Major Cause of DNA Damage. Annals of the New York Academy of Sciences, 1999, 889, 87-106.	1.8	154
82	Time to Talk SENS: Critiquing the Immutability of Human Aging. Annals of the New York Academy of Sciences, 2002, 959, 452-462.	1.8	152
83	Acrolein, a Toxicant in Cigarette Smoke, Causes Oxidative Damage and Mitochondrial Dysfunction in RPE Cells: Protection by (R)-Î±-Lipoic Acid. , 2007, 48, 339.		151
84	Complete analysis of tRNA-modified nucleosides by high-performance liquid chromatography: The 29 modified nucleosides of Salmonella typhimurium and Escherichia coli tRNA. Analytical Biochemistry, 1983, 129, 1-13.	1.1	150
85	Heme Deficiency Selectively Interrupts Assembly of Mitochondrial Complex IV in Human Fibroblasts. Journal of Biological Chemistry, 2001, 276, 48410-48416.	1.6	149
86	Immunoaffinity isolation of urinary 8-hydroxy-2â€²-deoxygunosine and 8-hydroxyguanine and quantitation of 8-hydroxy-2â€²deoxyguanosine in DNA by polyclonal antibodies. Carcinogenesis, 1991, 12, 865-871.	1.3	143
87	Ageâ€associated decline in ascorbic acid concentration, recycling, and biosynthesis in rat hepatocytesâ€”reversal with (R)â€Î±â€lipoic acid supplementation. FASEB Journal, 1998, 12, 1183-1189.	0.2	140
88	Both Iron Deficiency and Daily Iron Supplements Increase Lipid Peroxidation in Rats. Journal of Nutrition, 2000, 130, 621-628.	1.3	139
89	Biosynthesis of Pseudouridine in Transfer Ribonucleic Acid. Journal of Biological Chemistry, 1974, 249, 1103-1108.	1.6	134
90	Antitumor and mutagenic properties of a variety of heterocyclic nitrogen and sulfur mustards. Journal of Medicinal Chemistry, 1972, 15, 739-746.	2.9	130

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91	N-t-Butyl Hydroxylamine, a Hydrolysis Product of Î±-Phenyl-N-t-butyl Nitrone, Is More Potent in Delaying Senescence in Human Lung Fibroblasts. Journal of Biological Chemistry, 2000, 275, 6741-6748.	1.6	130
92	A procedure for rapid extraction and high-pressure liquid chromatographic separation of the nucleotides and other small molecules from bacterial cells. Analytical Biochemistry, 1982, 123, 151-161.	1.1	129
93	An overview of evidence for a causal relationship between dietary availability of choline during development and cognitive function in offspring. Neuroscience and Biobehavioral Reviews, 2006, 30, 696-712.	2.9	128
94	Environmental Pollution, Pesticides, and the Prevention of Cancer: Misconceptions ¹. FASEB Journal, 1997, 11, 1041-1052.	0.2	126
95	Detection of DNA adducts by high-performance liquid chromatography with electrochemical detection. Carcinogenesis, 1989, 10, 827-832.	1.3	124
96	Compatibility of organic solvents with the Salmonella/microsome test. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1981, 88, 343-350.	1.2	123
97	Reducing mitochondrial decay with mitochondrial nutrients to delay and treat cognitive dysfunction, Alzheimer's disease, and Parkinson's disease. Nutritional Neuroscience, 2005, 8, 67-89.	1.5	123
98	ZTP (5-amino 4-imidazole carboxamide riboside 5â€²-triphosphate): A proposed alarmone for 10-formyl-tetrahydrofolate deficiency. Cell, 1982, 29, 929-937.	13.5	121
99	Classifying mutagens as to their specificity in causing the six possible transitions and transversions: A simple analysis using the salmonella mutagenicity assay. Environmental Mutagenesis, 1986, 8, 9-28.	1.4	118
100	Supplementation of postmenopausal women with fish oil rich in eicosapentaenoic acid and docosahexaenoic acid is not associated with greater in vivo lipid peroxidation compared with oils rich in oleate and linoleate as assessed by plasma malondialdehyde and F2-isoprostanes. American Journal of Clinical Nutrition, 2000, 72, 714-722.	2.2	118
101	A modified nucleotide in tRNA as a possible regulator of aerobiosis: Synthesis of cis-2-methyl-thioribosylzeatin in the tRNA of Salmonella. Cell, 1984, 36, 523-531.	13.5	116
102	Î³-tocopherol supplementation inhibits protein nitration and ascorbate oxidation in rats with inflammation. Free Radical Biology and Medicine, 2002, 33, 1534-1542.	1.3	116
103	Target sequences for mutagenesis inSalmonella histidine-requiring mutants. Environmental Mutagenesis, 1986, 8, 631-641.	1.4	114
104	Paracelsus to parascience: the environmental cancer distraction. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2000, 447, 3-13.	0.4	113
105	Low seminal plasma folate concentrations are associated with low sperm density and count in male smokers and nonsmokers11Reference to a company or product name does not imply approval or recommendation of the product by the U.S. Department of Agriculture to the exclusion of others suitable.. Fertility and Sterility, 2001, 75, 252-259.	0.5	111
106	2 DNA damage in folate deficiency. Best Practice and Research: Clinical Haematology, 1995, 8, 461-478.	1.1	110
107	An Adduct between Peroxynitrite and 2â€˜-Deoxyguanosine:â€‰ 4,5-Dihydro-5-hydroxy-4-(nitrosooxy)-2â€˜-deoxyguanosine. Chemical Research in Toxicology, 1996, 9, 3-7.	1.7	108
108	A role for supplements in optimizing health: the metabolic tune-up. Archives of Biochemistry and Biophysics, 2004, 423, 227-234.	1.4	108

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109	Magnesium deficiency accelerates cellular senescence in cultured human fibroblasts. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5768-5773.	3.3	107
110	Neuronal mitochondrial amelioration by feeding acetylâ€Lâ€carnitine and lipoic acid to aged rats. Journal of Cellular and Molecular Medicine, 2009, 13, 320-333.	1.6	105
111	Adaptive dysfunction of selenoproteins from the perspective of the triage theory: why modest selenium deficiency may increase risk of diseases of aging. FASEB Journal, 2011, 25, 1793-1814.	0.2	105
112	The Role of Heme and Iron-Sulfur Clusters in Mitochondrial Biogenesis, Maintenance, and Decay with Age. Archives of Biochemistry and Biophysics, 2002, 397, 345-353.	1.4	104
113	[147] Enzymes and intermediates of histidine biosynthesis in Salmonella typhimurium. Methods in Enzymology, 1971, , 3-44.	0.4	97
114	Mechanims of mutagenicity and toxicity of sodium selenite (Na2SeO3) in in Salmonella typhimurium. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1988, 201, 169-180.	0.4	97
115	Comparison of the Effects of l-Carnitine and Acetyl-l-Carnitine on Carnitine Levels, Ambulatory Activity, and Oxidative Stress Biomarkers in the Brain of Old Rats. Annals of the New York Academy of Sciences, 2004, 1033, 117-131.	1.8	94
116	Mineral and vitamin deficiencies can accelerate the mitochondrial decay of aging. Molecular Aspects of Medicine, 2005, 26, 363-378.	2.7	94
117	[38] Assay of lipid hydroperoxides using high-performance liquid chromatography with isoluminal chemiluminescence detection. Methods in Enzymology, 1990, 186, 371-380.	0.4	92
118	Does carcinogenic potency correlate with mutagenic potency in the Ames assay?. Nature, 1978, 274, 19-20.	13.7	89
119	Methylenetetrahydrofolate reductase C677T polymorphism does not alter folic acid deficiency-induced uracil incorporation into primary human lymphocyte DNA in vitro. Carcinogenesis, 2001, 22, 1019-1025.	1.3	89
120	What do Animal Cancer Tests Tell us About Human Cancer Risk?: Overview of Analyses of the Carcinogenic Potency Database. Drug Metabolism Reviews, 1998, 30, 359-404.	1.5	88
121	Mitochondrial Decay in Aging: Reversal through Supplementation of Acetyl-l-Carnitine and N-tert-Butyl-alpha-phenyl-nitronea. Annals of the New York Academy of Sciences, 1998, 854, 214-223.	1.8	87
122	Delaying the Mitochondrial Decay of Aging with Acetylcarnitine. Annals of the New York Academy of Sciences, 2004, 1033, 108-116.	1.8	87
123	Apoptosis of Late-Stage Erythroblasts in Megaloblastic Anemia: Association With DNA Damage and Macrocyte Production. Blood, 1997, 89, 4617-4623.	0.6	86
124	The OxyR regulon. Antonie Van Leeuwenhoek, 1990, 58, 157-161.	0.7	85
125	Oxidative damage to plasma constituents by ozone. FEBS Letters, 1992, 298, 269-272.	1.3	85
126	The effect of acetyl-L-carnitine and R-Î±-lipoic acid treatment in ApoE4 mouse as a model of human Alzheimer's disease. Journal of the Neurological Sciences, 2009, 283, 199-206.	0.3	85

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127	(R)-Î±-Lipoic Acid Protects Retinal Pigment Epithelial Cells from Oxidative Damage. , 2005, 46, 4302.		82
128	(R)-Î±-Lipoic Acid Reverses the Age-Associated Increase in Susceptibility of Hepatocytes to tert-Butylhydroperoxide both In Vitro and In Vivo. Antioxidants and Redox Signaling, 2000, 2, 473-483.	2.5	81
129	Folate deficiency and ionizing radiation cause DNA breaks in primary human lymphocytes: a comparison. FASEB Journal, 2004, 18, 209-211.	0.2	81
130	Detection of lipid hydroperoxides and hydrogen peroxide at picamole levels by an HPLC and isoluminol chemiluminescence assay. Free Radical Biology and Medicine, 1987, 3, 359-361.	1.3	80
131	Delaying the Mitochondrial Decay of Aging. Annals of the New York Academy of Sciences, 2004, 1019, 406-411.	1.8	80
132	The Histidine Operon and Its Regulation. , 1971, , 349-387.		79
133	Mitochondrial Decay in the Brains of Old Rats: Ameliorating Effect of Alpha-Lipoic Acid and Acetyl-l-carnitine. Neurochemical Research, 2009, 34, 755-763.	1.6	78
134	Fluorescence detection of 8-oxoguanine in nuclear and mitochondrial DNA of cultured cells using a recombinant Fab and confocal scanning laser microscopy. Free Radical Biology and Medicine, 2000, 28, 987-998.	1.3	77
135	Iron Accumulation during Cellular Senescence. Annals of the New York Academy of Sciences, 2004, 1019, 365-367.	1.8	77
136	THE BIOSYNTHESIS OF HISTIDINE: d-erythro-IMIDAZOLE-GLYCEROL PHOSPHATE DEHYDRASE. Journal of Biological Chemistry, 1957, 228, 131-143.	1.6	77
137	Iron Accumulation During Cellular Senescence in Human FibroblastsIn Vitro. Antioxidants and Redox Signaling, 2003, 5, 507-516.	2.5	72
138	Moderate Antioxidant Supplementation Has No Effect on Biomarkers of Oxidant Damage in Healthy Men with Low Fruit and Vegetable Intakes. Journal of Nutrition, 2003, 133, 740-743.	1.3	72
139	DNA Lesions, Inducible DNA Repair, and Cell Division: Three Key Factors in Mutagenesis and Carcinogenesis. Environmental Health Perspectives, 1993, 101, 35.	2.8	71
140	The causes and prevention of cancer: the role of environment. , 1998, 11, 205-220.		71
141	Does the High Prevalence of Vitamin D Deficiency in African Americans Contribute to Health Disparities?. Nutrients, 2021, 13, 499.	1.7	71
142	THE BIOSYNTHESIS OF HISTIDINE: IMIDAZOLEACETOL PHOSPHATE TRANSAMINASE. Journal of Biological Chemistry, 1956, 220, 113-128.	1.6	70
143	Prevention of Mutation, Cancer, and Other Age-Associated Diseases by Optimizing Micronutrient Intake. Journal of Nucleic Acids, 2010, 2010, 1-11.	0.8	68
144	[38] Detection and quantification of oxidative adducts of mitochondrial DNA. Methods in Enzymology, 1996, 264, 442-453.	0.4	67

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145	THE BIOSYNTHESIS OF HISTIDINE. Journal of Biological Chemistry, 1955, 212, 687-696.	1.6	65
146	Phosphoribosyladenosine Monophosphate, an Intermediate in Histidine Biosynthesis. Journal of Biological Chemistry, 1965, 240, 3056-3063.	1.6	63
147	A SERIES OF HISTIDINELESS MUTANTS OF NEUROSPORA CRASSA. Genetics, 1952, 37, 217-226.	1.2	62
148	Antioxidant Activity of Diethyldithiocarbamate. Free Radical Research, 1996, 24, 461-472.	1.5	60
149	5-Chlorouracil, a Marker of DNA Damage from Hypochlorous Acid during Inflammation. Journal of Biological Chemistry, 2003, 278, 32834-32840.	1.6	60
150	Histidine Regulation in Salmonella typhimurium. Journal of Biological Chemistry, 1972, 247, 1080-1088.	1.6	60
151	The Metabolic Tune-Up: Metabolic Harmony and Disease Prevention. Journal of Nutrition, 2003, 133, 1544S-1548S.	1.3	59
152	Histidine Regulation in Salmonella typhimurium VIII. Mutations of the hisT Gene. Journal of Bacteriology, 1971, 108, 410-414.	1.0	59
153	The multiplication of T4rII phage in E. coli K12(Î») in the presence of polyamines. Biochemical and Biophysical Research Communications, 1965, 18, 639-647.	1.0	58
154	Quantitation of age-related mitochondrial DNA deletions in rat tissues shows that their pattern of accumulation differs from that of humans. Gene, 1998, 209, 23-30.	1.0	57
155	Daily Supplementation with Iron Increases Lipid Peroxidation in Young Women with Low Iron Stores. Experimental Biology and Medicine, 2008, 233, 701-707.	1.1	57
156	Extrapolation of Carcinogenicity Between Species: Qualitative and Quantitative Factors. Risk Analysis, 1992, 12, 579-588.	1.5	55
157	Ozone enhancement of lower airway allergic inflammation is prevented by Î³-tocopherol. Free Radical Biology and Medicine, 2007, 43, 1176-1188.	1.3	55
158	Background Levels of DNA Damage in the Population. , 1986, 38, 529-535.		55
159	Optimal micronutrients delay mitochondrial decay and age-associated diseases. Mechanisms of Ageing and Development, 2010, 131, 473-479.	2.2	54
160	Charles S. Mott prize. The detection of environmental mutagens and potential carcinogens. Cancer, 1984, 53, 2034-2040.	2.0	53
161	An HPLC-EC Assay for 1,N2-Propano Adducts of 2'-Deoxyguanosine with 4-Hydroxynonenal and Other .alpha.,.beta.-Unsaturated Aldehydes. Chemical Research in Toxicology, 1994, 7, 511-518.	1.7	53
162	Histidine Regulation in Salmonella typhimurium. Journal of Biological Chemistry, 1970, 245, 1710-1716.	1.6	53

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163	Decreases in tissue levels of ubiquinol-9 and -10, ascorbate and Î±-tocopherol following spinal cord impact trauma in rats. Neuroscience Letters, 1990, 108, 201-206.	1.0	50
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