

Bruce N Ames

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276
papers

48,527
citations

101
h-index

219
g-index

285
ext. papers

50,933
ext. citations

6.8
avg, IF

7.52
L-index

#	Paper	IF	Citations
276	Methods for detecting carcinogens and mutagens with the Salmonella/mammalian-microsome mutagenicity test. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1975 , 31, 347-64		6061
275	Revised methods for the Salmonella mutagenicity test. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1983 , 113, 173-215		5453
274	A Method for Determining the Sedimentation Behavior of Enzymes: Application to Protein Mixtures. <i>Journal of Biological Chemistry</i> , 1961 , 236, 1372-1379	5.4	4043
273	The free radical theory of aging matures. <i>Physiological Reviews</i> , 1998 , 78, 547-81	47.9	2976
272	The Role of Polyamines in the Neutralization of Bacteriophage Deoxyribonucleic Acid. <i>Journal of Biological Chemistry</i> , 1960 , 235, 769-775	5.4	1880
271	Positive control of a regulon for defenses against oxidative stress and some heat-shock proteins in Salmonella typhimurium. <i>Cell</i> , 1985 , 41, 753-62	56.2	946
270	Oxidative decay of DNA. <i>Journal of Biological Chemistry</i> , 1997 , 272, 19633-6	5.4	743
269	Detection of picomole levels of hydroperoxides using a fluorescent dichlorofluorescein assay. <i>Analytical Biochemistry</i> , 1983 , 134, 111-6	3.1	710
268	Too many rodent carcinogens: mitogenesis increases mutagenesis. <i>Science</i> , 1990 , 249, 970-1	33.3	707
267	gamma-tocopherol, the major form of vitamin E in the US diet, deserves more attention. <i>American Journal of Clinical Nutrition</i> , 2001 , 74, 714-22	7	576
266	Endogenous oxidative DNA damage, aging, and cancer. <i>Free Radical Research Communications</i> , 1989 , 7, 121-8		540
265	Endogenous mutagens and the causes of aging and cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1991 , 250, 3-16	3.3	531
264	Naturally occurring carbonyl compounds are mutagens in Salmonella tester strain TA104. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1985 , 148, 25-34	3.3	460
263	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-alpha -lipoic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 2356-61	11.5	421
262	A carcinogenic potency database of the standardized results of animal bioassays. <i>Environmental Health Perspectives</i> , 1984 , 58, 9-319	8.4	411
261	DNA damage from micronutrient deficiencies is likely to be a major cause of cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001 , 475, 7-20	3.3	378
260	Molecular analysis of H2O2-induced senescent-like growth arrest in normal human fibroblasts: p53 and Rb control G1 arrest but not cell replication. <i>Biochemical Journal</i> , 1998 , 332 (Pt 1), 43-50	3.8	365

259	Detection and characterization of lipid hydroperoxides at picomole levels by high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1987 , 160, 7-13	3.1	354
258	Is docosahexaenoic acid, an n-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. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 281-295	7	318
257	Chronically and acutely exercised rats: biomarkers of oxidative stress and endogenous antioxidants. <i>Journal of Applied Physiology</i> , 2000 , 89, 21-8	3.7	310
256	Immobilization stress causes oxidative damage to lipid, protein, and DNA in the brain of rats. <i>FASEB Journal</i> , 1996 , 10, 1532-1538	0.9	307
255	Is there convincing biological or behavioral evidence linking vitamin D deficiency to brain dysfunction?. <i>FASEB Journal</i> , 2008 , 22, 982-1001	0.9	298
254	Low intracellular zinc induces oxidative DNA damage, disrupts p53, NFkappa B, and AP1 DNA binding, and affects DNA repair in a rat glioma cell line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 16770-5	11.5	297
253	Is docosahexaenoic acid, an n-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. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 281-95	7	295
252	Mitochondrial decay in aging. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1995 , 1271, 165-70	7.0	289
251	Bacterial defenses against oxidative stress. <i>Trends in Genetics</i> , 1990 , 6, 363-8	8.5	288
250	An overview of evidence for a causal relation between iron deficiency during development and deficits in cognitive or behavioral function. <i>American Journal of Clinical Nutrition</i> , 2007 , 85, 931-45	7	286
249	Assays for 8-hydroxy-2-deoxyguanosine: a biomarker of in vivo oxidative DNA damage. <i>Free Radical Biology and Medicine</i> , 1991 , 10, 211-6	7.8	278
248	AppppA and related adenylated nucleotides are synthesized as a consequence of oxidation stress. <i>Cell</i> , 1984 , 37, 225-32	56.2	276
247	Gamma-tocopherol, but not alpha-tocopherol, decreases proinflammatory eicosanoids and inflammation damage in rats. <i>FASEB Journal</i> , 2003 , 17, 816-22	0.9	268
246	Low micronutrient intake may accelerate the degenerative diseases of aging through allocation of scarce micronutrients by triage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17589-94	11.5	264
245	Procedure for identifying nonsense mutations. <i>Journal of Bacteriology</i> , 1968 , 96, 215-20	3.5	259
244	Feeding acetyl-L-carnitine and lipoic acid to old rats significantly improves metabolic function while decreasing oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1870-5	11.5	256
243	High-dose vitamin therapy stimulates variant enzymes with decreased coenzyme binding affinity (increased K(m)): relevance to genetic disease and polymorphisms. <i>American Journal of Clinical Nutrition</i> , 2002 , 75, 616-58	7	247
242	Evaluation of an isoluminol chemiluminescence assay for the detection of hydroperoxides in human blood plasma. <i>Analytical Biochemistry</i> , 1988 , 175, 120-30	3.1	246

241	(R)-alpha-lipoic acid-supplemented old rats have improved mitochondrial function, decreased oxidative damage, and increased metabolic rate. <i>FASEB Journal</i> , 1999 , 13, 411-8	0.9	244
240	Assays of oxidative DNA damage biomarkers 8-oxo-2Rdeoxyguanosine and 8-oxoguanine in nuclear DNA and biological fluids by high-performance liquid chromatography with electrochemical detection. <i>Methods in Enzymology</i> , 1994 , 234, 16-33	1.7	242
239	Vitamin D and the omega-3 fatty acids control serotonin synthesis and action, part 2: relevance for ADHD, bipolar disorder, schizophrenia, and impulsive behavior. <i>FASEB Journal</i> , 2015 , 29, 2207-22	0.9	239
238	Acarbose, 17 β -Estradiol, and nordihydroguaiaretic acid extend mouse lifespan preferentially in males. <i>Aging Cell</i> , 2014 , 13, 273-82	9.9	236
237	Oxidants are a major contributor to aging. <i>Annals of the New York Academy of Sciences</i> , 1992 , 663, 85-96	6.5	235
236	Iron deficiency and iron excess damage mitochondria and mitochondrial DNA in rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 2264-9	11.5	232
235	Acetyl-L-carnitine fed to old rats partially restores mitochondrial function and ambulatory activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 9562-6	11.5	231
234	Vitamin D hormone regulates serotonin synthesis. Part 1: relevance for autism. <i>FASEB Journal</i> , 2014 , 28, 2398-413	0.9	225
233	Compounds which serve as the sole source of carbon or nitrogen for <i>Salmonella typhimurium</i> LT-2. <i>Journal of Bacteriology</i> , 1969 , 100, 215-9	3.5	212
232	Micronutrients prevent cancer and delay aging. <i>Toxicology Letters</i> , 1998 , 102-103, 5-18	4.4	211
231	Methylene blue delays cellular senescence and enhances key mitochondrial biochemical pathways. <i>FASEB Journal</i> , 2008 , 22, 703-12	0.9	209
230	Classification of aminotransferase (C gene) mutants in the histidine operon. <i>Journal of Molecular Biology</i> , 1966 , 21, 335-55	6.5	209
229	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-alpha -lipoic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1876-81	11.5	207
228	Mutagenesis and carcinogenesis: endogenous and exogenous factors. <i>Environmental and Molecular Mutagenesis</i> , 1989 , 14 Suppl 16, 66-77	3.2	207
227	Are vitamin and mineral deficiencies a major cancer risk?. <i>Nature Reviews Cancer</i> , 2002 , 2, 694-704	31.3	197
226	Classification and mapping of spontaneous and induced mutations in the histidine operon of <i>Salmonella</i> . <i>Advances in Genetics</i> , 1971 , 16, 1-34	3.3	191
225	[Mutant tRNA His ineffective in repression and lacking two pseudouridine modifications]. <i>Nature: New Biology</i> , 1972 , 238, 72-4		186
224	Assay of aldehydes from lipid peroxidation: gas chromatography-mass spectrometry compared to thiobarbituric acid. <i>Analytical Biochemistry</i> , 1997 , 245, 161-6	3.1	177

223	Histidine regulation in <i>Salmonella typhimurium</i> . XI. The percentage of transfer RNA His charged in vivo and its relation to the repression of the histidine operon. <i>Journal of Molecular Biology</i> , 1972 , 66, 131-42	6.5	177
222	Mitochondrial aging: open questions. <i>Annals of the New York Academy of Sciences</i> , 1998 , 854, 118-27	6.5	176
221	Identification and molecular analysis of oxyR-regulated promoters important for the bacterial adaptation to oxidative stress. <i>Journal of Molecular Biology</i> , 1989 , 210, 709-19	6.5	176
220	Zinc deficiency induces oxidative DNA damage and increases p53 expression in human lung fibroblasts. <i>Journal of Nutrition</i> , 2003 , 133, 2543-8	4.1	175
219	Ascorbate is depleted by smoking and repleted by moderate supplementation: a study in male smokers and nonsmokers with matched dietary antioxidant intakes. <i>American Journal of Clinical Nutrition</i> , 2000 , 71, 530-6	7	173
218	The Paper Chromatography of Imidazoles. <i>Journal of the American Chemical Society</i> , 1952 , 74, 252-253	16.4	170
217	A new <i>Salmonella</i> tester strain, TA97, for the detection of frameshift mutagens. A run of cytosines as a mutational hot-spot. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1982 , 94, 315-30	3.3	167
216	Ascorbate: the most effective antioxidant in human blood plasma. <i>Advances in Experimental Medicine and Biology</i> , 1990 , 264, 155-63	3.6	167
215	gamma-Tocopherol or combinations of vitamin E forms induce cell death in human prostate cancer cells by interrupting sphingolipid synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 17825-30	11.5	163
214	Iron uptake in <i>Salmonella typhimurium</i> : utilization of exogenous siderochromes as iron carriers. <i>Journal of Bacteriology</i> , 1972 , 111, 731-8	3.5	163
213	The First Step of Histidine Biosynthesis. <i>Journal of Biological Chemistry</i> , 1961 , 236, 2019-2026	5.4	163
212	Heme deficiency may be a factor in the mitochondrial and neuronal decay of aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14807-12	11.5	161
211	The Detection of Chemical Mutagens with Enteric Bacteria 1971 , 267-282		157
210	Measurement of antioxidants in human blood plasma. <i>Methods in Enzymology</i> , 1994 , 234, 269-79	1.7	156
209	Antioxidant activities of bile pigments: biliverdin and bilirubin. <i>Methods in Enzymology</i> , 1990 , 186, 301-9	1.7	151
208	Iron transport in <i>Salmonella typhimurium</i> : mutants blocked in the biosynthesis of enterobactin. <i>Journal of Bacteriology</i> , 1970 , 104, 635-9	3.5	150
207	Chromosomal alterations affecting the regulation of histidine biosynthetic enzymes in <i>Salmonella</i> . <i>Journal of Molecular Biology</i> , 1963 , 7, 23-42	6.5	148
206	Histidine regulatory mutants in <i>Salmonella typhimurium</i> II. Histidine regulatory mutants having altered histidyl-tRNA synthetase. <i>Journal of Molecular Biology</i> , 1966 , 22, 325-33	6.5	148

205	Endogenous oxidative damage of mtDNA. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999 , 424, 51-8	3.3	145
204	In vivo oxidative DNA damage: measurement of 8-hydroxy-2Rdeoxyguanosine in DNA and urine by high-performance liquid chromatography with electrochemical detection. <i>Methods in Enzymology</i> , 1990 , 186, 521-30	1.7	145
203	Delaying brain mitochondrial decay and aging with mitochondrial antioxidants and metabolites. <i>Annals of the New York Academy of Sciences</i> , 2002 , 959, 133-66	6.5	140
202	8-Hydroxydeoxyguanosine and 8-hydroxyguanine as biomarkers of oxidative DNA damage. <i>Methods in Enzymology</i> , 1999 , 300, 156-66	1.7	140
201	Vitamin K, an example of triage theory: is micronutrient inadequacy linked to diseases of aging?. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 889-907	7	139
200	Complete analysis of tRNA-modified nucleosides by high-performance liquid chromatography: the 29 modified nucleosides of Salmonella typhimurium and Escherichia coli tRNA. <i>Analytical Biochemistry</i> , 1983 , 129, 1-13	3.1	135
199	Immunoaffinity isolation of urinary 8-hydroxy-2Rdeoxyguanosine and 8-hydroxyguanine and quantitation of 8-hydroxy-2Rdeoxyguanosine in DNA by polyclonal antibodies. <i>Carcinogenesis</i> , 1991 , 12, 865-71	4.6	133
198	Acrolein, a toxicant in cigarette smoke, causes oxidative damage and mitochondrial dysfunction in RPE cells: protection by (R)-alpha-lipoic acid. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 339-48		132
197	Age-associated decline in ascorbic acid concentration, recycling, and biosynthesis in rat hepatocytes--reversal with (R)-alpha-lipoic acid supplementation. <i>FASEB Journal</i> , 1998 , 12, 1183-9	0.9	131
196	Histidine regulatory mutants in Salmonella typhimurium 3. A class of regulatory mutants deficient in tRNA for histidine. <i>Journal of Molecular Biology</i> , 1966 , 22, 335-47	6.5	128
195	Mode of action of the herbicide, 3-amino-1,2,4-triazole(amitrole): inhibition of an enzyme of histidine biosynthesis. <i>Archives of Biochemistry and Biophysics</i> , 1965 , 112, 544-7	4.1	125
194	Micronutrient deficiencies. A major cause of DNA damage. <i>Annals of the New York Academy of Sciences</i> , 1999 , 889, 87-106	6.5	124
193	Heme deficiency selectively interrupts assembly of mitochondrial complex IV in human fibroblasts: relevance to aging. <i>Journal of Biological Chemistry</i> , 2001 , 276, 48410-6	5.4	118
192	N-t-butyl hydroxylamine, a hydrolysis product of alpha-phenyl-N-t-butyl nitron, is more potent in delaying senescence in human lung fibroblasts. <i>Journal of Biological Chemistry</i> , 2000 , 275, 6741-8	5.4	116
191	Folate deficiency inhibits the proliferation of primary human CD8+ T lymphocytes in vitro. <i>Journal of Immunology</i> , 2004 , 173, 3186-92	5.3	115
190	Time to talk SENS: critiquing the immutability of human aging. <i>Annals of the New York Academy of Sciences</i> , 2002 , 959, 452-62; discussion 463-5	6.5	115
189	A procedure for rapid extraction and high-pressure liquid chromatographic separation of the nucleotides and other small molecules from bacterial cells. <i>Analytical Biochemistry</i> , 1982 , 123, 151-61	3.1	115
188	Biosynthesis of Pseudouridine in Transfer Ribonucleic Acid. <i>Journal of Biological Chemistry</i> , 1974 , 249, 1103-1108	5.4	115

187	Detection of DNA adducts by high-performance liquid chromatography with electrochemical detection. <i>Carcinogenesis</i> , 1989 , 10, 827-32	4.6	113
186	An overview of evidence for a causal relationship between dietary availability of choline during development and cognitive function in offspring. <i>Neuroscience and Biobehavioral Reviews</i> , 2006 , 30, 696-712	9.12	112
185	Target sequences for mutagenesis in Salmonella histidine-requiring mutants. <i>Environmental Mutagenesis</i> , 1986 , 8, 631-41		111
184	Reducing mitochondrial decay with mitochondrial nutrients to delay and treat cognitive dysfunction, Alzheimer's disease, and Parkinson's disease. <i>Nutritional Neuroscience</i> , 2005 , 8, 67-89	3.6	110
183	Gamma-tocopherol supplementation inhibits protein nitration and ascorbate oxidation in rats with inflammation. <i>Free Radical Biology and Medicine</i> , 2002 , 33, 1534-42	7.8	108
182	ZTP (5-amino 4-imidazole carboxamide riboside 5-triphosphate): a proposed alarmone for 10-formyl-tetrahydrofolate deficiency. <i>Cell</i> , 1982 , 29, 929-37	56.2	107
181	Both iron deficiency and daily iron supplements increase lipid peroxidation in rats. <i>Journal of Nutrition</i> , 2000 , 130, 621-8	4.1	106
180	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 F(2)-isoprostanes. <i>American Journal of Clinical Nutrition</i> , 2000 , 72, 714-22	7	106
179	Classifying mutagens as to their specificity in causing the six possible transitions and transversions: a simple analysis using the Salmonella mutagenicity assay. <i>Environmental Mutagenesis</i> , 1986 , 8, 9-28		105
178	A modified nucleotide in tRNA as a possible regulator of aerobiosis: synthesis of cis-2-methyl-thioribosylzeatin in the tRNA of Salmonella. <i>Cell</i> , 1984 , 36, 523-31	56.2	104
177	Compatibility of organic solvents with the Salmonella/microsome test. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1981 , 88, 343-50		104
176	An adduct between peroxyxynitrite and 2-deoxyguanosine: 4,5-dihydro-5-hydroxy-4-(nitrosooxy)-2-deoxyguanosine. <i>Chemical Research in Toxicology</i> , 1996 , 9, 3-7	4	102
175	Antitumor and mutagenic properties of a variety of heterocyclic nitrogen and sulfur mustards. <i>Journal of Medicinal Chemistry</i> , 1972 , 15, 739-46	8.3	100
174	Environmental pollution, pesticides, and the prevention of cancer: misconceptions. <i>FASEB Journal</i> , 1997 , 11, 1041-52	0.9	98
173	The role of heme and iron-sulfur clusters in mitochondrial biogenesis, maintenance, and decay with age. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 397, 345-53	4.1	92
172	Prolonging healthy aging: Longevity vitamins and proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 10836-10844	11.5	92
171	A role for supplements in optimizing health: the metabolic tune-up. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 423, 227-34	4.1	90
170	Paracelsus to parascience: the environmental cancer distraction. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2000 , 447, 3-13	3.3	90

169	Low seminal plasma folate concentrations are associated with low sperm density and count in male smokers and nonsmokers. <i>Fertility and Sterility</i> , 2001 , 75, 252-9	4.8	90
168	[147] Enzymes and intermediates of histidine biosynthesis in <i>Salmonella typhimurium</i> . <i>Methods in Enzymology</i> , 1971 , 3-44	1.7	88
167	Mechanisms of mutagenicity and toxicity of sodium selenite (Na ₂ SeO ₃) in <i>Salmonella typhimurium</i> . <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988 , 201, 169-80	3.3	87
166	Neuronal mitochondrial amelioration by feeding acetyl-L-carnitine and lipoic acid to aged rats. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 320-33	5.6	85
165	Magnesium deficiency accelerates cellular senescence in cultured human fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5768-73	11.5	85
164	Adaptive dysfunction of selenoproteins from the perspective of the triage theory: why modest selenium deficiency may increase risk of diseases of aging. <i>FASEB Journal</i> , 2011 , 25, 1793-814	0.9	84
163	Methylenetetrahydrofolate reductase C677T polymorphism does not alter folic acid deficiency-induced uracil incorporation into primary human lymphocyte DNA in vitro. <i>Carcinogenesis</i> , 2001 , 22, 1019-25	4.6	82
162	Assay of lipid hydroperoxides using high-performance liquid chromatography with isoluminal chemiluminescence detection. <i>Methods in Enzymology</i> , 1990 , 186, 371-80	1.7	82
161	Mitochondrial decay in aging. Reversal through supplementation of acetyl-L-carnitine and N-tert-butyl-alpha-phenyl-nitrone. <i>Annals of the New York Academy of Sciences</i> , 1998 , 854, 214-23	6.5	80
160	Does carcinogenic potency correlate with mutagenic potency in the Ames assay?. <i>Nature</i> , 1978 , 274, 19-22	50.4	80
159	DNA damage in folate deficiency. <i>Best Practice and Research: Clinical Haematology</i> , 1995 , 8, 461-78		79
158	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. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1033, 117-31	6.5	78
157	Folate deficiency and ionizing radiation cause DNA breaks in primary human lymphocytes: a comparison. <i>FASEB Journal</i> , 2004 , 18, 209-11	0.9	77
156	Mineral and vitamin deficiencies can accelerate the mitochondrial decay of aging. <i>Molecular Aspects of Medicine</i> , 2005 , 26, 363-78	16.7	76
155	Delaying the mitochondrial decay of aging. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1019, 406-13	6.1	75
154	The effect of acetyl-L-carnitine and R-alpha-lipoic acid treatment in ApoE4 mouse as a model of human Alzheimer's disease. <i>Journal of the Neurological Sciences</i> , 2009 , 283, 199-206	3.2	74
153	Apoptosis of Late-Stage Erythroblasts in Megaloblastic Anemia: Association With DNA Damage and Macrocyte Production. <i>Blood</i> , 1997 , 89, 4617-4623	2.2	74
152	The OxyR regulon. <i>Antonie Van Leeuwenhoek</i> , 1990 , 58, 157-61	2.1	73

151	Delaying the mitochondrial decay of aging with acetylcarnitine. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1033, 108-16	6.5	72
150	What do animal cancer tests tell us about human cancer risk?: Overview of analyses of the carcinogenic potency database. <i>Drug Metabolism Reviews</i> , 1998 , 30, 359-404	7	72
149	Oxidative damage to plasma constituents by ozone. <i>FEBS Letters</i> , 1992 , 298, 269-72	3.8	70
148	Detection of lipid hydroperoxides and hydrogen peroxide at picomole levels by an HPLC and isoluminol chemiluminescence assay. <i>Free Radical Biology and Medicine</i> , 1987 , 3, 359-61	7.8	70
147	The Histidine Operon and Its Regulation 1971 , 349-387		70
146	(R)-alpha-lipoic acid protects retinal pigment epithelial cells from oxidative damage. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 4302-10		68
145	(R)-alpha-lipoic acid reverses the age-associated increase in susceptibility of hepatocytes to tert-butylhydroperoxide both in vitro and in vivo. <i>Antioxidants and Redox Signaling</i> , 2000 , 2, 473-83	8.4	68
144	Mitochondrial decay in the brains of old rats: ameliorating effect of alpha-lipoic acid and acetyl-L-carnitine. <i>Neurochemical Research</i> , 2009 , 34, 755-63	4.6	67
143	Fluorescence detection of 8-oxoguanine in nuclear and mitochondrial DNA of cultured cells using a recombinant Fab and confocal scanning laser microscopy. <i>Free Radical Biology and Medicine</i> , 2000 , 28, 987-98	7.8	67
142	DNA Lesions, Inducible DNA Repair, and Cell Division: Three Key Factors in Mutagenesis and Carcinogenesis. <i>Environmental Health Perspectives</i> , 1993 , 101, 35	8.4	63
141	Moderate antioxidant supplementation has no effect on biomarkers of oxidant damage in healthy men with low fruit and vegetable intakes. <i>Journal of Nutrition</i> , 2003 , 133, 740-3	4.1	61
140	Iron accumulation during cellular senescence. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1019, 365-7	6.5	60
139	Detection and quantification of oxidative adducts of mitochondrial DNA. <i>Methods in Enzymology</i> , 1996 , 264, 442-53	1.7	59
138	The multiplication of T4rII phage in E. coli K12(λ) in the presence of polyamines. <i>Biochemical and Biophysical Research Communications</i> , 1965 , 18, 639-647	3.4	58
137	THE BIOSYNTHESIS OF HISTIDINE: d-erythro-IMIDAZOLE-GLYCEROL PHOSPHATE DEHYDRASE. <i>Journal of Biological Chemistry</i> , 1957 , 228, 131-143	5.4	57
136	Quantitation of age-related mitochondrial DNA deletions in rat tissues shows that their pattern of accumulation differs from that of humans. <i>Gene</i> , 1998 , 209, 23-30	3.8	55
135	The causes and prevention of cancer: the role of environment. <i>Biotherapy (Dordrecht, Netherlands)</i> , 1998 , 11, 205-20		54
134	5-Chlorouracil, a marker of DNA damage from hypochlorous acid during inflammation. A gas chromatography-mass spectrometry assay. <i>Journal of Biological Chemistry</i> , 2003 , 278, 32834-40	5.4	54

133	Antioxidant activity of diethyldithiocarbamate. <i>Free Radical Research</i> , 1996 , 24, 461-72	4	52
132	THE BIOSYNTHESIS OF HISTIDINE: IMIDAZOLEACETOL PHOSPHATE TRANSAMINASE. <i>Journal of Biological Chemistry</i> , 1956 , 220, 113-128	5.4	52
131	An HPLC-EC assay for 1,N2-propano adducts of 2Rdeoxyguanosine with 4-hydroxynonenal and other alpha,beta-unsaturated aldehydes. <i>Chemical Research in Toxicology</i> , 1994 , 7, 511-8	4	49
130	Daily supplementation with iron increases lipid peroxidation in young women with low iron stores. <i>Experimental Biology and Medicine</i> , 2008 , 233, 701-7	3.7	48
129	The detection of environmental mutagens and potential carcinogens. <i>Cancer</i> , 1984 , 53, 2034-40	6.4	47
128	Optimal micronutrients delay mitochondrial decay and age-associated diseases. <i>Mechanisms of Ageing and Development</i> , 2010 , 131, 473-9	5.6	46
127	Ozone enhancement of lower airway allergic inflammation is prevented by gamma-tocopherol. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 1176-88	7.8	46
126	The metabolic tune-up: metabolic harmony and disease prevention. <i>Journal of Nutrition</i> , 2003 , 133, 1544-5S	4.8	46
125	Histidine regulation in <i>Salmonella typhimurium</i> . 8. Mutations of the <i>hisT</i> gene. <i>Journal of Bacteriology</i> , 1971 , 108, 410-4	3.5	46
124	THE BIOSYNTHESIS OF HISTIDINE. <i>Journal of Biological Chemistry</i> , 1955 , 212, 687-696	5.4	46
123	Iron accumulation during cellular senescence in human fibroblasts in vitro. <i>Antioxidants and Redox Signaling</i> , 2003 , 5, 507-16	8.4	45
122	Phosphoribosyladenosine Monophosphate, an Intermediate in Histidine Biosynthesis. <i>Journal of Biological Chemistry</i> , 1965 , 240, 3056-3063	5.4	45
121	Uracil in DNA, determined by an improved assay, is increased when deoxynucleosides are added to folate-deficient cultured human lymphocytes. <i>Analytical Biochemistry</i> , 2004 , 330, 58-69	3.1	44
120	Decreases in tissue levels of ubiquinol-9 and -10, ascorbate and alpha-tocopherol following spinal cord impact trauma in rats. <i>Neuroscience Letters</i> , 1990 , 108, 201-6	3.3	44
119	Histidine Regulation in <i>Salmonella typhimurium</i> . <i>Journal of Biological Chemistry</i> , 1972 , 247, 1080-1088	5.4	44
118	N-t-Butyl hydroxylamine is an antioxidant that reverses age-related changes in mitochondria in vivo and in vitro. <i>FASEB Journal</i> , 2001 , 15, 2196-204	0.9	43
117	Detection of oxidative mutagens with a new <i>Salmonella</i> tester strain (TA102). <i>Methods in Enzymology</i> , 1984 , 105, 249-54	1.7	42
116	Sequence specificity of tRNA-modifying enzymes. An analysis of 258 tRNA sequences. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1983 , 741, 180-96		41

115	Effect of the β -Hydrazino Analogue of Histidine on Histidine Transport and Arginine Biosynthesis. <i>Journal of Biological Chemistry</i> , 1966 , 241, 3424-3429	5.4	41
114	Histidine Regulation in <i>Salmonella typhimurium</i> . <i>Journal of Biological Chemistry</i> , 1970 , 245, 1710-1716	5.4	41
113	Analysis of plasma tocopherols alpha, gamma, and 5-nitro-gamma in rats with inflammation by HPLC coulometric detection. <i>Journal of Lipid Research</i> , 2002 , 43, 1978-85	6.3	40
112	Maternal dietary zinc influences DNA strand break and 8-hydroxy-2-deoxyguanosine levels in infant rhesus monkey liver. <i>Experimental Biology and Medicine</i> , 1993 , 203, 461-6	3.7	40
111	A Series of Histidineless Mutants of <i>Neurospora Crassa</i> . <i>Genetics</i> , 1952 , 37, 217-26	4	40
110	Background levels of DNA damage in the population. <i>Basic Life Sciences</i> , 1986 , 38, 529-35		40
109	5-Methyltetrahydrofolate inhibits photosensitization reactions and strand breaks in DNA. <i>FASEB Journal</i> , 2007 , 21, 2101-7	0.9	39
108	Gamma-tocopherol induces apoptosis in androgen-responsive LNCaP prostate cancer cells via caspase-dependent and independent mechanisms. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1031, 399-400	6.5	38
107	Some New Naturally Occurring Imidazoles Related to the Biosynthesis of Histidine ¹ . <i>Journal of the American Chemical Society</i> , 1953 , 75, 1015-1018	16.4	38
106	The prevention of cancer. <i>Drug Metabolism Reviews</i> , 1998 , 30, 201-23	7	36
105	Biotin deficiency inhibits heme synthesis and impairs mitochondria in human lung fibroblasts. <i>Journal of Nutrition</i> , 2007 , 137, 25-30	4.1	36
104	A simpler, more robust method for the analysis of 8-oxoguanine in DNA. <i>Free Radical Biology and Medicine</i> , 2000 , 29, 357-67	7.8	36
103	cis 2-Methylthio-ribosylzeatin (ms2io6A) is present in the transfer RNA of <i>Salmonella typhimurium</i> , but not <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 1982 , 10, 5649-62	20.1	36
102	A simple method for detecting environmental carcinogens as mutagens. <i>Annals of the New York Academy of Sciences</i> , 1976 , 271, 5-13	6.5	35
101	Clinical assay of four thiol amino acid redox couples by LC-MS/MS: utility in thalassemia. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 3418-27	3.2	34
100	Extrapolation of carcinogenicity between species: qualitative and quantitative factors. <i>Risk Analysis</i> , 1992 , 12, 579-88	3.9	34
99	Prevention of mutation, cancer, and other age-associated diseases by optimizing micronutrient intake. <i>Journal of Nucleic Acids</i> , 2010 , 2010,	2.3	31
98	Gamma-tocopherol attenuates ozone-induced exacerbation of allergic rhinosinusitis in rats. <i>Toxicologic Pathology</i> , 2009 , 37, 481-91	2.1	30

97	REVISED METHODS FOR THE SALMONELLA MUTAGENICITY TEST 1984 , 93-140		30
96	LIPID PEROXIDATION AND OXIDATIVE DAMAGE TO DNA 1982 , 339-351		30
95	Energy Charge and Protein Synthesis. <i>Journal of Biological Chemistry</i> , 1970 , 245, 450-452	5.4	30
94	A simple assay for frequency of chromosome breaks and loss (micronuclei) by flow cytometry of human reticulocytes. <i>FASEB Journal</i> , 2005 , 19, 485-7	0.9	28
93	Heterocyclic amines formed by cooking food: comparison of bioassay results with other chemicals in the Carcinogenic Potency Database. <i>Cancer Letters</i> , 1994 , 83, 21-9	9.9	28
92	THE BIOSYNTHESIS OF HISTIDINE; L-HISTIDINOL PHOSPHATE PHOSPHATASE. <i>Journal of Biological Chemistry</i> , 1957 , 226, 583-593	5.4	28
91	The role of Fe ²⁺ -induced lipid peroxidation in the initiation of the mitochondrial permeability transition. <i>Archives of Biochemistry and Biophysics</i> , 2003 , 414, 255-60	4.1	27
90	N-tert-butyl hydroxylamine, a mitochondrial antioxidant, protects human retinal pigment epithelial cells from iron overload: relevance to macular degeneration. <i>FASEB Journal</i> , 2007 , 21, 4077-86	0.9	26
89	Increasing longevity by tuning up metabolism. To maximize human health and lifespan, scientists must abandon outdated models of micronutrients. <i>EMBO Reports</i> , 2005 , 6 Spec No, S20-4	6.5	25
88	Assay of malondialdehyde and other alkanals in biological fluids by gas chromatography-mass spectrometry. <i>Methods in Enzymology</i> , 1999 , 300, 70-8	1.7	25
87	Histidine regulation in Salmonella typhimurium. XVI. A sensitive radiochemical assay for histidinol dehydrogenase. <i>Analytical Biochemistry</i> , 1975 , 63, 44-55	3.1	24
86	Altered Sulfur Amino Acid Metabolism In Immune Cells of Children Diagnosed With Autism. <i>American Journal of Biochemistry and Biotechnology</i> , 2008 , 4, 105-113	0.4	24
85	A BACTERIAL SYSTEM FOR DETECTING MUTAGENS AND CARCINOGENS 1972 , 57-66		24
84	Oxidants and mitogenesis as causes of mutation and cancer: the influence of diet. <i>Basic Life Sciences</i> , 1993 , 61, 419-36		23
83	Does the High Prevalence of Vitamin D Deficiency in African Americans Contribute to Health Disparities?. <i>Nutrients</i> , 2021 , 13,	6.7	23
82	Vitamin E forms inhibit IL-13/STAT6-induced eotaxin-3 secretion by up-regulation of PAR4, an endogenous inhibitor of atypical PKC in human lung epithelial cells. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 602-8	6.3	21
81	A combination of aspirin and gamma-tocopherol is superior to that of aspirin and alpha-tocopherol in anti-inflammatory action and attenuation of aspirin-induced adverse effects. <i>Journal of Nutritional Biochemistry</i> , 2009 , 20, 894-900	6.3	21
80	An assay for uracil in human DNA at baseline: effect of marginal vitamin B6 deficiency. <i>Analytical Biochemistry</i> , 2008 , 372, 21-31	3.1	21

79	The TD 50 : A Proposed General Convention for the Numerical Description of the Carcinogenic Potency of Chemicals in Chronic-Exposure Animal Experiments. <i>Environmental Health Perspectives</i> , 1984 , 58, 1	8.4	21
78	Lipoic acid and acetyl-carnitine reverse iron-induced oxidative stress in human fibroblasts. <i>Redox Report</i> , 2008 , 13, 2-10	5.9	20
77	Discussion paper: the detection of mutagenic metabolites of carcinogens in urine with the Salmonella/microsome test. <i>Annals of the New York Academy of Sciences</i> , 1975 , 269, 21-5	6.5	20
76	A combined bacterial and liver test system for detection and classification of carcinogens as mutagens. <i>Genetics</i> , 1974 , 78, 91-5	4	20
75	Dietary carcinogens, environmental pollution, and cancer: some misconceptions. <i>Medical Oncology and Tumor Pharmacotherapy</i> , 1990 , 7, 69-85		20
74	A nutrient-dense, high-fiber, fruit-based supplement bar increases HDL cholesterol, particularly large HDL, lowers homocysteine, and raises glutathione in a 2-wk trial. <i>FASEB Journal</i> , 2012 , 26, 3515-27 ^{0.9}		19
73	Cancer prevention, rodent high-dose cancer tests, and risk assessment. <i>Risk Analysis</i> , 1996 , 16, 613-7	3.9	19
72	Histidine Regulation in Salmonella typhimurium. <i>Journal of Biological Chemistry</i> , 1972 , 247, 4333-4339	5.4	19
71	Alterations in levels of 5Radenyl dinucleotides following DNA damage in normal human fibroblasts and fibroblasts derived from patients with xeroderma pigmentosum. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988 , 208, 87-93		18
70	Thiol/redox metabolomic profiling implicates GSH dysregulation in early experimental graft versus host disease (GVHD). <i>PLoS ONE</i> , 2014 , 9, e88868	3.7	18
69	An enthusiasm for metabolism. <i>Journal of Biological Chemistry</i> , 2003 , 278, 4369-80	5.4	17
68	Dietary carcinogens and anti-carcinogens. <i>Journal of Toxicology: Clinical Toxicology</i> , 1984 , 22, 291-301		17
67	Evidence-based decision making on micronutrients and chronic disease: long-term randomized controlled trials are not enough. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 522-3; author reply 523-4	7	16
66	Mutagenicity of nitric oxide in base pair-specific Salmonella tester strains: TA7000 series. <i>Methods in Enzymology</i> , 1996 , 269, 267-78	1.7	16
65	Pollution, Pesticides, and Cancer. <i>Journal of AOAC INTERNATIONAL</i> , 1992 , 75, 1-5	1.7	16
64	Salmonella typhimurium mutants with alternate requirements for vitamin B 6 or isoleucine. <i>Journal of Bacteriology</i> , 1971 , 108, 359-63	3.5	16
63	Histidine Regulation in Salmonella typhimurium. <i>Journal of Biological Chemistry</i> , 1972 , 247, 2302-2307	5.4	16
62	Association of chromosome damage detected as micronuclei with hematological diseases and micronutrient status. <i>Mutagenesis</i> , 2011 , 26, 57-62	2.8	15

61	Chronic ethanol perturbs testicular folate metabolism and dietary folate deficiency reduces sex hormone levels in the Yucatan micropig. <i>Biology of Reproduction</i> , 2007 , 76, 455-65	3.9	14
60	Misconceptions on Pollution and the Causes of Cancer. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 1197-1208		14
59	Delaying the mitochondrial decay of aging in the brain. <i>Clinical Neuroscience Research</i> , 2003 , 2, 331-338		13
58	Measuring chromosome breaks in patients with thalassemia. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1054, 439-44	6.5	13
57	Toxicity and carcinogenic potency. <i>Risk Analysis</i> , 1985 , 5, 263-4	3.9	13
56	Histidyl-transfer ribonucleic acid synthetase mutants requiring a high internal pool of histidine for growth. <i>Journal of Bacteriology</i> , 1973 , 115, 188-97	3.5	13
55	Pesticide residues in food: investigation of disparities in cancer risk estimates. <i>Cancer Letters</i> , 1997 , 117, 195-207	9.9	12
54	Mitochondrial decay, a major cause of aging, can be delayed. <i>Journal of Alzheimeris Disease</i> , 2004 , 6, 117-21	7.1	12
53	N2-methyl-8-oxoguanine: a tRNA urinary metabolite--role of xanthine oxidase. <i>Free Radical Biology and Medicine</i> , 1996 , 20, 475-81	7.8	12
52	Carcinogens and anticarcinogens. <i>Basic Life Sciences</i> , 1986 , 39, 7-35		11
51	Unusual clustering of coefficients of variation in published articles from a medical biochemistry department in India. <i>FASEB Journal</i> , 2009 , 23, 689-703	0.9	10
50	Falsche Annahmen Ber die Zusammenhuge zwischen der Umweltverschmutzung und der Entstehung von Krebs. <i>Angewandte Chemie</i> , 1990 , 102, 1233-1246	3.6	10
49	Fe(2+) induces a transient Ca(2+) release from rat liver mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 398, 198-202	4.1	9
48	Ascorbic acid recycling in rat hepatocytes as measurement of antioxidant capacity: decline with age. <i>Methods in Enzymology</i> , 1999 , 299, 83-8	1.7	9
47	Presence of Polyamines in Certain Bacterial Viruses. <i>Science</i> , 1958 , 127, 814-816	33.3	9
46	The Causes and Prevention of Cancer: Gaining Perspective. <i>Environmental Health Perspectives</i> , 1997 , 105, 865	8.4	8
45	Supplements and tuning up metabolism. <i>Journal of Nutrition</i> , 2004 , 134, 3164S-3168S	4.1	8
44	A multicomponent nutrient bar promotes weight loss and improves dyslipidemia and insulin resistance in the overweight/obese: chronic inflammation blunts these improvements. <i>FASEB Journal</i> , 2015 , 29, 3287-301	0.9	7

43	Pesticide Residues in Food and Cancer Risk: A Critical Analysis 2001 , 799-843		7
42	The Salmonella Mutagenicity Test: An Overview. <i>Topics in Environmental Physiology and Medicine</i> , 1981 , 108-119		7
41	Carcinogenesis mechanisms: the debate continues. <i>Science</i> , 1991 , 252, 902-904	33.3	6
40	The importance of ranking possible carcinogenic hazards using HERP. <i>Risk Analysis</i> , 1990 , 10, 625-8; discussion 629-33	3.9	6
39	Enriched selection of dominant mutations: histidine operator mutations. <i>Journal of Bacteriology</i> , 1971 , 107, 578-9	3.5	6
38	Nutritional Prevention of DNA Damage to Sperm and Consequent Risk Reduction in Birth Defects and Cancer in Offspring 1997 , 373-385		6
37	Immunochemical identification of a tRNA-independent cytokinin-like compound in Salmonella typhimurium. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1989 , 1007, 196-202		5
36	A novel nutritional intervention improves lung function in overweight/obese adolescents with poorly controlled asthma: the Supplemental Nutrition in Asthma Control (SNAC) pilot study. <i>FASEB Journal</i> , 2018 , 32, fj201700338	0.9	4
35	Enzymes Lose Binding Affinity (Increased Km) for Coenzymes and Substrates with Age: A Strategy for Remediation 2006 , 277-293		4
34	Delaying the mitochondrial decay of aging-a metabolic tune-up. <i>Alzheimer Disease and Associated Disorders</i> , 2003 , 17 Suppl 2, S54-7	2.5	4
33	Reply to P Wainwright. <i>American Journal of Clinical Nutrition</i> , 2006 , 83, 920-921	7	3
32	Oxidants and aging 2000 , 755-796		3
31	Pesticide Residues and Cancer Causation. <i>ACS Symposium Series</i> , 1989 , 223-237	0.4	3
30	Randomized nutrient bar supplementation improves exercise-associated changes in plasma metabolome in adolescents and adult family members at cardiometabolic risk. <i>PLoS ONE</i> , 2020 , 15, e0240437	2.7	3
29	DNA Damage to Sperm from Micronutrient Deficiency May Increase the Risk of Birth Defects and Cancer in Offspring 373-386		3
28	Part 2 Unusual clustering of coefficients of variation in published articles from a medical biochemistry department in India. <i>FASEB Journal</i> , 2009 , 23, 706-708	0.9	2
27	Delaying Aging with Mitochondrial Micronutrients and Antioxidants. <i>Scientific World Journal, The</i> , 2001 , 1, 81-82	2.2	2
26	The Prevention of Cancer. <i>ACS Symposium Series</i> , 1998 , 2-15	0.4	2

25	Response : Carcinogenicity of Aflatoxins. <i>Science</i> , 1987 , 237, 1283-1284	33.3	2
24	Gordon M. Tomkins (1926-1975) 1977 , xvii-xxxvi		2
23	Pollution, pesticides and cancer misconceptions 1999 , 19-37		2
22	The Causes of Aging and Cancer: The Misinterpretation of Animal Cancer Tests. <i>Human and Ecological Risk Assessment (HERA)</i> , 1996 , 2, 6-9	4.9	1
21	The Detection and Hazards of Environmental Carcinogens/Mutagens. <i>ACS Symposium Series</i> , 1979 , 1-11	0.4	1
20	Oral Arginine Increases Erythrocyte Glutathione Levels in Sickle Cell Disease: Implications for Pulmonary Hypertension.. <i>Blood</i> , 2006 , 108, 1208-1208	2.2	1
19	Leukocyte Apoptosis and Inflammation in Iron-Overloaded Patients with Sickle Cell Disease or β -Thalassemia: A Mechanism for Increased Stroke and Disease Severity in Sickle Cell Disease.. <i>Blood</i> , 2006 , 108, 1233-1233	2.2	1
18	Efficacy of Alpha-Lipoic Acid in Iron-Induced Oxidative Stress.. <i>Blood</i> , 2005 , 106, 3599-3599	2.2	1
17	Inhibition of SV40 Replication In Vitro by Poly(ADP-Ribosyl)ated Diadenosine Tetraphosphate 1989 , 254-260		1
16	Response : Carcinogenicity Tests. <i>Science</i> , 1976 , 191, 241-245	33.3	1
15	Pollution, pesticides and cancer misconceptions 1997 , 173-190		0
14	Response : Carcinogenicity Tests. <i>Science</i> , 1976 , 191, 241-245	33.3	0
13	Toxic Unbound Iron and Membrane Injury in β -Thalassemia and Sickle Cell Disease: Elevated Non-Transferrin Bound Iron (NTBI) and Malondialdehyde (MDA).. <i>Blood</i> , 2004 , 104, 3608-3608	2.2	
12	Increased Chromosomal Breaks in Sickle Cell Disease as Evidenced by the Presence of Micronuclei in Erythrocytes.. <i>Blood</i> , 2005 , 106, 3807-3807	2.2	
11	The primary pathogenetic role of vascular hypoperfusion, mitochondria failure and oxidative stress in aging and Alzheimer disease. <i>FASEB Journal</i> , 2008 , 22, 167.3	0.9	
10	Heightened Sulfur Amino Acid Oxidation in Plasma and Erythrocytes in β -Thalassemia Major.. <i>Blood</i> , 2009 , 114, 4065-4065	2.2	
9	Magnesium Intake and Self-Reported Health in Pregnant Women. <i>FASEB Journal</i> , 2010 , 24, 561.14	0.9	
8	Host Nrf2 γ -glutathione Redox Dysregulation Precedes TNF- α Elevation and Predicts Severity of Graft Versus Host Disease in Experimental Transplantation. <i>Blood</i> , 2012 , 120, 4107-4107	2.2	

- 7 The Histidine Operon of *Salmonella typhimurium* **1974**, 223-235
- 6 Randomized nutrient bar supplementation improves exercise-associated changes in plasma metabolome in adolescents and adult family members at cardiometabolic risk **2020**, 15, e0240437
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