

Rodney L Levine

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148
papers

16,976
citations

54
h-index

130
g-index

156
ext. papers

18,033
ext. citations

5.7
avg, IF

6.39
L-index

#	Paper	IF	Citations
148	Determination of carbonyl content in oxidatively modified proteins. <i>Methods in Enzymology</i> , 1990 , 186, 464-78	1.7	4084
147	Carbonyl assays for determination of oxidatively modified proteins. <i>Methods in Enzymology</i> , 1994 , 233, 346-57	1.7	1909
146	Methionine residues as endogenous antioxidants in proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 15036-40	11.5	862
145	Protein oxidation. <i>Annals of the New York Academy of Sciences</i> , 2000 , 899, 191-208	6.5	813
144	Carbonyl modified proteins in cellular regulation, aging, and disease. <i>Free Radical Biology and Medicine</i> , 2002 , 32, 790-6	7.8	514
143	Oxidative modification of proteins during aging. <i>Experimental Gerontology</i> , 2001 , 36, 1495-502	4.5	378
142	Differential susceptibility of plasma proteins to oxidative modification: examination by western blot immunoassay. <i>Free Radical Biology and Medicine</i> , 1994 , 17, 429-37	7.8	363
141	Methionine in proteins defends against oxidative stress. <i>FASEB Journal</i> , 2009 , 23, 464-72	0.9	303
140	Oxidation of Methionine in Proteins: Roles in Antioxidant Defense and Cellular Regulation. <i>IUBMB Life</i> , 2000 , 50, 301-307	4.7	300
139	Methionine residues may protect proteins from critical oxidative damage. <i>Mechanisms of Ageing and Development</i> , 1999 , 107, 323-32	5.6	293
138	Methionine oxidation and aging. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005 , 1703, 135-40	4	286
137	Oxidation of methionine residues of proteins: biological consequences. <i>Antioxidants and Redox Signaling</i> , 2003 , 5, 577-82	8.4	267
136	Determination of carbonyl groups in oxidatively modified proteins by reduction with tritiated sodium borohydride. <i>Analytical Biochemistry</i> , 1989 , 177, 419-25	3.1	250
135	Molecular cloning and characterization of a mitochondrial selenocysteine-containing thioredoxin reductase from rat liver. <i>Journal of Biological Chemistry</i> , 1999 , 274, 4722-34	5.4	218
134	Small-molecule antioxidant proteome-shields in <i>Deinococcus radiodurans</i> . <i>PLoS ONE</i> , 2010 , 5, e12570	3.7	212
133	Oxidation of either Methionine 351 or Methionine 358 in α -Antitrypsin Causes Loss of Anti-neutrophil Elastase Activity. <i>Journal of Biological Chemistry</i> , 2000 , 275, 27258-27265	5.4	209
132	Determination of carbonyl groups in oxidized proteins. <i>Methods in Molecular Biology</i> , 2000 , 99, 15-24	1.4	200

131	Age-related decline of rat liver multicatalytic proteinase activity and protection from oxidative inactivation by heat-shock protein 90. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 331, 232-40	4.1	198
130	Oxidant-induced apoptosis is mediated by oxidation of the actin-regulatory protein cofilin. <i>Nature Cell Biology</i> , 2009 , 11, 1241-6	23.4	181
129	Cyclic oxidation and reduction of protein methionine residues is an important antioxidant mechanism. <i>Molecular and Cellular Biochemistry</i> , 2002 , 234/235, 3-9	4.2	174
128	Inactivation of human beta-defensins 2 and 3 by elastolytic cathepsins. <i>Journal of Immunology</i> , 2003 , 171, 931-7	5.3	167
127	Methionine oxidation and reduction in proteins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 901-5	4	159
126	Cathepsin B, L, and S cleave and inactivate secretory leucoprotease inhibitor. <i>Journal of Biological Chemistry</i> , 2001 , 276, 33345-52	5.4	139
125	High urea and NaCl carbonylate proteins in renal cells in culture and in vivo, and high urea causes 8-oxoguanine lesions in their DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9491-6	11.5	133
124	Carbonic anhydrase III. Oxidative modification in vivo and loss of phosphatase activity during aging. <i>Journal of Biological Chemistry</i> , 1995 , 270, 14742-7	5.4	126
123	Oxidation of methionine in proteins: roles in antioxidant defense and cellular regulation. <i>IUBMB Life</i> , 2000 , 50, 301-7	4.7	124
122	Metal-catalyzed oxidation of Escherichia coli glutamine synthetase: correlation of structural and functional changes. <i>Archives of Biochemistry and Biophysics</i> , 1990 , 278, 26-34	4.1	120
121	ADP ribosylation of human neutrophil peptide-1 regulates its biological properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 8231-5	11.5	110
120	Comparison of the effects of ozone on the modification of amino acid residues in glutamine synthetase and bovine serum albumin. <i>Journal of Biological Chemistry</i> , 1996 , 271, 4177-82	5.4	110
119	Forward and reverse selection for longevity in Drosophila is characterized by alteration of antioxidant gene expression and oxidative damage patterns. <i>Experimental Gerontology</i> , 2000 , 35, 167-85	4.5	106
118	Metal-catalyzed oxidation of alpha-synuclein: helping to define the relationship between oligomers, protofibrils, and filaments. <i>Journal of Biological Chemistry</i> , 2005 , 280, 9678-90	5.4	103
117	Oxidative modification of fibrinogen inhibits thrombin-catalyzed clot formation. <i>Free Radical Biology and Medicine</i> , 1995 , 18, 815-21	7.8	103
116	Lack of methionine sulfoxide reductase A in mice increases sensitivity to oxidative stress but does not diminish life span. <i>FASEB Journal</i> , 2009 , 23, 3601-8	0.9	102
115	Low positioning of umbilical-artery catheters increases associated complications in newborn infants. <i>New England Journal of Medicine</i> , 1978 , 299, 561-4	59.2	101
114	Regulation of HIV-1 protease activity through cysteine modification. <i>Biochemistry</i> , 1996 , 35, 2482-8	3.2	97

113	Modification of cysteine residues in vitro and in vivo affects the immunogenicity and antigenicity of major histocompatibility complex class I-restricted viral determinants. <i>Journal of Experimental Medicine</i> , 1999 , 189, 1757-64	16.6	94
112	Quantitation of protein on gels and blots by infrared fluorescence of Coomassie blue and Fast Green. <i>Analytical Biochemistry</i> , 2006 , 350, 233-8	3.1	90
111	Pharmacology of furosemide in the premature newborn infant. <i>Journal of Pediatrics</i> , 1980 , 97, 139-43	3.6	89
110	Decreased levels of secretory leucoprotease inhibitor in the Pseudomonas-infected cystic fibrosis lung are due to neutrophil elastase degradation. <i>Journal of Immunology</i> , 2009 , 183, 8148-56	5.3	85
109	Derivatization of gamma-glutamyl semialdehyde residues in oxidized proteins by fluoresceinamine. <i>Analytical Biochemistry</i> , 1989 , 182, 226-32	3.1	78
108	Treatment with a catalytic antioxidant corrects the neurobehavioral defect in ataxia-telangiectasia mice. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 938-42	7.8	76
107	Oxidation of methionine residues in the prion protein by hydrogen peroxide. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 432, 188-95	4.1	76
106	Ischemia: from acidosis to oxidation. <i>FASEB Journal</i> , 1993 , 7, 1242-6	0.9	73
105	Modification of proteins in endothelial cell death during oxidative stress. <i>Free Radical Biology and Medicine</i> , 1997 , 22, 1277-82	7.8	71
104	Modulation of the hydrophobicity of glutamine synthetase by mixed-function oxidation. <i>FASEB Journal</i> , 1988 , 2, 2591-5	0.9	71
103	Methionine sulfoxide reductase A is a stereospecific methionine oxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 10472-7	11.5	69
102	Cyclic oxidation and reduction of protein methionine residues is an important antioxidant mechanism. <i>Molecular and Cellular Biochemistry</i> , 2002 , 234-235, 3-9	4.2	69
101	Copurification of carbamoyl phosphate synthetase and aspartate transcarbamoylase from mouse spleen. <i>Biochemical and Biophysical Research Communications</i> , 1971 , 44, 981-8	3.4	67
100	A review: biological and clinical aspects of pyrimidine metabolism. <i>Pediatric Research</i> , 1974 , 8, 724-34	3.2	65
99	Auranofin disrupts selenium metabolism in <i>Clostridium difficile</i> by forming a stable Au-Se adduct. <i>Journal of Biological Inorganic Chemistry</i> , 2009 , 14, 507-19	3.7	64
98	Elafin, an elastase-specific inhibitor, is cleaved by its cognate enzyme neutrophil elastase in sputum from individuals with cystic fibrosis. <i>Journal of Biological Chemistry</i> , 2008 , 283, 32377-85	5.4	59
97	Carbonic anhydrase III is not required in the mouse for normal growth, development, and life span. <i>Molecular and Cellular Biology</i> , 2004 , 24, 9942-7	4.8	59
96	Determination of 2-oxohistidine by amino acid analysis. <i>Analytical Biochemistry</i> , 1995 , 231, 440-6	3.1	57

95	Site-specific interaction between β -synuclein and membranes probed by NMR-observed methionine oxidation rates. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2943-6	16.4	55
94	Direct detection of potential selenium delivery proteins by using an Escherichia coli strain unable to incorporate selenium from selenite into proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 9150-3	11.5	52
93	Mixed-function oxidation of histidine residues. <i>Methods in Enzymology</i> , 1984 , 107, 370-6	1.7	51
92	Methionine in Proteins: It's Not Just for Protein Initiation Anymore. <i>Neurochemical Research</i> , 2019 , 44, 247-257	4.6	51
91	HIV-2 protease is inactivated after oxidation at the dimer interface and activity can be partly restored with methionine sulphoxide reductase. <i>Biochemical Journal</i> , 2000 , 346, 305-311	3.8	50
90	ADP-ribosyltransferase-specific modification of human neutrophil peptide-1. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17054-17060	5.4	46
89	Use of isosbestic point wavelength shifts to estimate the fraction of a precursor that is converted to a given product. <i>Analytical Biochemistry</i> , 2000 , 287, 329-33	3.1	45
88	Quantification of protein carbonylation. <i>Methods in Molecular Biology</i> , 2013 , 965, 265-81	1.4	43
87	The role of endogenous heme synthesis and degradation domain cysteines in cellular iron-dependent degradation of IRP2. <i>Blood Cells, Molecules, and Diseases</i> , 2003 , 31, 247-55	2.1	43
86	Proteasomal degradation of mutant superoxide dismutases linked to amyotrophic lateral sclerosis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 39907-13	5.4	43
85	Clearance of bilirubin from rat brain after reversible osmotic opening of the blood-brain barrier. <i>Pediatric Research</i> , 1985 , 19, 1040-3	3.2	43
84	Phosphorylation of actin Tyr-53 inhibits filament nucleation and elongation and destabilizes filaments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13694-9	11.5	41
83	Iron regulatory protein 2 as iron sensor. Iron-dependent oxidative modification of cysteine. <i>Journal of Biological Chemistry</i> , 2003 , 278, 14857-64	5.4	41
82	Dual sites of protein initiation control the localization and myristoylation of methionine sulfoxide reductase A. <i>Journal of Biological Chemistry</i> , 2010 , 285, 18085-94	5.4	40
81	Oxidation of the active site of glutamine synthetase: conversion of arginine-344 to gamma-glutamyl semialdehyde. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 289, 371-5	4.1	39
80	Conversion of carbamoyl phosphate to hydroxyurea. An assay for carbamoylphosphate synthetase. <i>Analytical Biochemistry</i> , 1971 , 42, 324-37	3.1	39
79	ADP-ribosylation of human defensin HNP-1 results in the replacement of the modified arginine with the noncoded amino acid ornithine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 19796-800	11.5	38
78	Assessment of skin carbonyl content as a noninvasive measure of biological age. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 397, 430-2	4.1	37

77	MDP-1: A novel eukaryotic magnesium-dependent phosphatase. <i>Biochemistry</i> , 2000 , 39, 8315-24	3.2	35
76	Toxic Dopamine Metabolite DOPAL Forms an Unexpected Dicatechol Pyrrole Adduct with Lysines of β Synuclein. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7374-8	16.4	34
75	Treatment with the reactive oxygen species scavenger EUK-207 reduces lung damage and increases survival during 1918 influenza virus infection in mice. <i>Free Radical Biology and Medicine</i> , 2014 , 67, 235-47	7.8	34
74	Carbonic anhydrase III regulates peroxisome proliferator-activated receptor- α . <i>Experimental Cell Research</i> , 2012 , 318, 877-86	4.2	33
73	Myristoylated methionine sulfoxide reductase A protects the heart from ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H1513-8	5.2	33
72	Characterization of a covalent polysulfane bridge in copper-zinc superoxide dismutase. <i>Biochemistry</i> , 2010 , 49, 1191-8	3.2	32
71	Wanted and wanting: antibody against methionine sulfoxide. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 1222-5	7.8	29
70	Molecular determinants of S-glutathionylation of carbonic anhydrase 3. <i>Antioxidants and Redox Signaling</i> , 2005 , 7, 849-54	8.4	28
69	Quantitation of protein carbonylation by dot blot. <i>Analytical Biochemistry</i> , 2012 , 423, 241-5	3.1	27
68	A low pKa cysteine at the active site of mouse methionine sulfoxide reductase A. <i>Journal of Biological Chemistry</i> , 2012 , 287, 25596-601	5.4	27
67	Effects of aging and hyperoxia on oxidative damage to cytochrome c in the housefly, <i>Musca domestica</i> . <i>Free Radical Biology and Medicine</i> , 2000 , 29, 90-7	7.8	27
66	Carbonic anhydrase III: the phosphatase activity is extrinsic. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 377, 334-40	4.1	27
65	Stereospecific oxidation of calmodulin by methionine sulfoxide reductase A. <i>Free Radical Biology and Medicine</i> , 2013 , 61, 257-64	7.8	26
64	Identification of a heme-sensing domain in iron regulatory protein 2. <i>Journal of Biological Chemistry</i> , 2004 , 279, 45450-4	5.4	26
63	Modification of the ADP-ribosyltransferase and NAD glycohydrolase activities of a mammalian transferase (ADP-ribosyltransferase 5) by auto-ADP-ribosylation. <i>Journal of Biological Chemistry</i> , 1999 , 274, 31797-803	5.4	26
62	Human immunodeficiency viral protease is catalytically active as a fusion protein: characterization of the fusion and native enzymes produced in <i>Escherichia coli</i> . <i>Archives of Biochemistry and Biophysics</i> , 1990 , 283, 141-9	4.1	23
61	Numerous proteins in Mammalian cells are prone to iron-dependent oxidation and proteasomal degradation. <i>Developmental Neuroscience</i> , 2002 , 24, 114-24	2.2	22
60	Lecithin:Cholesterol Acyltransferase Activation by Sulfhydryl-Reactive Small Molecules: Role of Cysteine-31. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017 , 362, 306-318	4.7	21

59	Oxidative stress causes reversible changes in mitochondrial permeability and structure. <i>Experimental Gerontology</i> , 2010 , 45, 596-602	4.5	21
58	Thiols mediate superoxide-dependent NADH modification of glyceraldehyde-3-phosphate dehydrogenase. <i>Journal of Biological Chemistry</i> , 1999 , 274, 19525-31	5.4	21
57	Detection and affinity purification of oxidant-sensitive proteins using biotinylated glutathione ethyl ester. <i>Methods in Enzymology</i> , 2002 , 353, 101-13	1.7	20
56	In vitro oxidative inactivation of human presequence protease (hPreP). <i>Free Radical Biology and Medicine</i> , 2012 , 53, 2188-95	7.8	19
55	Group B streptococcal phospholipid causes pulmonary hypertension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5087-90	11.5	19
54	Effects of transgenic methionine sulfoxide reductase A (MsrA) expression on lifespan and age-dependent changes in metabolic function in mice. <i>Redox Biology</i> , 2016 , 10, 251-256	11.3	18
53	Rapid benchtop method of alkaline hydrolysis of proteins. <i>Journal of Chromatography A</i> , 1982 , 236, 496-498	4.9	18
52	Superoxide is the critical driver of DOPAL autoxidation, lysyl adduct formation, and crosslinking of β synuclein. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 487, 281-286	3.4	17
51	Designing antioxidant peptides. <i>Redox Report</i> , 2014 , 19, 80-6	5.9	17
50	Labeling of cysteine-containing peptides with 2-nitro-5-thiobenzoic acid. <i>Analytical Biochemistry</i> , 1985 , 147, 369-73	3.1	17
49	Pyrimidine biosynthesis during development of rat cerebellum. <i>Pediatric Research</i> , 1972 , 6, 682-6	3.2	17
48	Isoindole Linkages Provide a Pathway for DOPAL-Mediated Cross-Linking of β synuclein. <i>Biochemistry</i> , 2018 , 57, 1462-1474	3.2	15
47	Characterization and solution structure of mouse myristoylated methionine sulfoxide reductase A. <i>Journal of Biological Chemistry</i> , 2012 , 287, 25589-95	5.4	15
46	Thioredoxin converts the Syrian hamster (29-231) recombinant prion protein to an insoluble form. <i>Free Radical Biology and Medicine</i> , 2001 , 30, 141-7	7.8	15
45	Base hydrolysis and amino acid analysis for phosphotyrosine in proteins. <i>Methods in Enzymology</i> , 1983 , 99, 402-5	1.7	15
44	Covalent modification of proteins by mixed function oxidation. <i>Current Topics in Cellular Regulation</i> , 1985 , 27, 305-16		15
43	Deuteration of Escherichia coli enzyme I(Ntr) alters its stability. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 507, 332-42	4.1	14
42	Enhanced proteolytic susceptibility of oxidized proteins. <i>Biochemical Society Transactions</i> , 1987 , 15, 816-81	3.1	14

41	Methionine sulfoxide reductase contributes to meeting dietary methionine requirements. <i>Archives of Biochemistry and Biophysics</i> , 2012 , 522, 37-43	4.1	13
40	Transgenic mice overexpressing methionine sulfoxide reductase A: characterization of embryonic fibroblasts. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 641-8	7.8	12
39	Metal-catalyzed oxidation of the Werner syndrome protein causes loss of catalytic activities and impaired protein-protein interactions. <i>Journal of Biological Chemistry</i> , 2007 , 282, 36403-11	5.4	12
38	Reversible oxidation of HIV-2 protease. <i>Methods in Enzymology</i> , 2002 , 348, 249-59	1.7	11
37	Hemoglobin Hasharon in a Premature Infant with Hemolytic Anemia. <i>Pediatric Research</i> , 1975 , 9, 7-11	3.2	11
36	Buffer modulation of menadione-induced oxidative stress in <i>Saccharomyces cerevisiae</i> . <i>Redox Report</i> , 2009 , 14, 214-20	5.9	10
35	Chemical Modification of Proteins by Reactive Oxygen Species 2006 , 1-23		10
34	Myristoylated methionine sulfoxide reductase A is a late endosomal protein. <i>Journal of Biological Chemistry</i> , 2018 , 293, 7355-7366	5.4	9
33	A Methionine Residue Promotes Hyperoxidation of the Catalytic Cysteine of Mouse Methionine Sulfoxide Reductase A. <i>Biochemistry</i> , 2016 , 55, 3586-93	3.2	9
32	Mutation of the adenylylated tyrosine of glutamine synthetase alters its catalytic properties. <i>Biochemistry</i> , 2005 , 44, 9441-6	3.2	9
31	A Difference in Mortality Between Two Strains of Jaundiced Rats. <i>Pediatrics</i> , 1991 , 87, 88-93	7.4	9
30	Loss of methionine sulfoxide reductases increases resistance to oxidative stress. <i>Free Radical Biology and Medicine</i> , 2019 , 145, 374-384	7.8	8
29	Regulation of the actin-activated MgATPase activity of <i>Acanthamoeba</i> myosin II by phosphorylation of serine 639 in motor domain loop 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E23-32	11.5	8
28	Fixation of nitrogen in an electrospray mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 1828-30	2.2	8
27	Identification of amino acid phenylthiohydantoin by multicomponent analysis of ultraviolet spectra. <i>Journal of Chromatography A</i> , 1984 , 288, 111-6	4.5	8
26	MICAL1 constrains cardiac stress responses and protects against disease by oxidizing CaMKII. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4663-4678	15.9	8
25	Mechanism of oxidative inactivation of human prosequence protease by hydrogen peroxide. <i>Free Radical Biology and Medicine</i> , 2014 , 77, 57-63	7.8	7
24	Lon protease promotes survival of <i>Escherichia coli</i> during anaerobic glucose starvation. <i>Archives of Microbiology</i> , 2008 , 189, 181-5	3	7

23	Oxidation of Methionine 77 in Calmodulin Alters Mouse Growth and Behavior. <i>Antioxidants</i> , 2018 , 7,	7.1	7
22	Distinct oxidative cleavage and modification of bovine [Cu- Zn]-SOD by an ascorbic acid/Cu(II) system: Identification of novel copper binding site on SOD molecule. <i>Free Radical Biology and Medicine</i> , 2016 , 94, 161-73	7.8	6
21	Iron regulatory protein 2 turnover through a nonproteasomal pathway. <i>Journal of Biological Chemistry</i> , 2011 , 286, 23698-707	5.4	6
20	Nucleotide sequence and structure of the mouse carbonic anhydrase III gene. <i>Gene</i> , 2001 , 265, 37-44	3.8	6
19	Neonatal jaundice. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1988 , 77, 177-82	3.1	6
18	Toxic Dopamine Metabolite DOPAL Forms an Unexpected Dicatechol Pyrrole Adduct with Lysines of β -Synuclein. <i>Angewandte Chemie</i> , 2016 , 128, 7500-7504	3.6	6
17	Nonenzymatic conversion of ADP-ribosylated arginines to ornithine alters the biological activities of human neutrophil peptide-1. <i>Journal of Immunology</i> , 2014 , 193, 6144-51	5.3	5
16	Determination of 2-oxohistidine by amino acid analysis. <i>Methods in Enzymology</i> , 1999 , 300, 120-4	1.7	5
15	Letter: Concentrations of serum iron in relation to infection in the neonate. <i>Journal of Pediatrics</i> , 1975 , 87, 331-2	3.6	3
14	Drosophila methionine sulfoxide reductase A (MSRA) lacks methionine oxidase activity. <i>Free Radical Biology and Medicine</i> , 2019 , 131, 154-161	7.8	3
13	Even malaria parasites watch their host's diet. <i>Nature Microbiology</i> , 2018 , 3, 130-131	26.6	2
12	Commentary on "Downregulation of the human Lon protease impairs mitochondrial structure and function and causes cell death" by D.A. Bota, J.K. Ngo, and K.J.A. Davies. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 1445-6	7.8	2
11	Repurposing the Pummerer Rearrangement: Determination of Methionine Sulfoxides in Peptides. <i>ChemBioChem</i> , 2020 , 21, 508-516	3.8	2
10	Redox Pioneer: Professor Sue Goo Rhee. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 1-10	8.4	2
9	Response to Dr. Moskovitz. <i>Free Radical Biology and Medicine</i> , 2013 , 56, 236	7.8	1
8	Energy homeostasis is a conserved process: Evidence from <i>Paracoccus denitrificans</i> ' response to acute changes in energy demand. <i>PLoS ONE</i> , 2021 , 16, e0259636	3.7	1
7	Testing The Hypothesis That Methionine Residues In Proteins Are Antioxidants. <i>FASEB Journal</i> , 2008 , 22, 758.1	0.9	1
6	Earl R. Stadtman. <i>Mechanisms of Ageing and Development</i> , 2010 , 131, 1	5.6	

5 MPSA abstracts. *The Protein Journal*, **1994**, 13, 515-543

4 . *Journal of Pediatrics*, **1977**, 90, 859-860 3.6

3 Sperm agglutination and infertility. *American Journal of Obstetrics and Gynecology*, **1978**, 130, 604 6.4

2 Spectrophotometric assay for the quantitation of methionine sulfoxide in proteins. *FASEB Journal*, **2006**, 20, LB61 0.9

1 Biochemical Characterization of the Drosophila Methionine Sulfoxide Reductase A. *FASEB Journal*, **2018**, 32, 533.96 0.9