

Koji Uchida

List of Publications by Year in descending order

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355
papers

25,670
citations

6233

80
h-index

8599

146
g-index

361
all docs

361
docs citations

361
times ranked

23826
citing authors

#	ARTICLE	IF	CITATIONS
1	4-Hydroxy-2-nonenal: a product and mediator of oxidative stress. <i>Progress in Lipid Research</i> , 2003, 42, 318-343.	5.3	991
2	Oxidative and Electrophilic Stresses Activate Nrf2 through Inhibition of Ubiquitination Activity of Keap1. <i>Molecular and Cellular Biology</i> , 2006, 26, 221-229.	1.1	775
3	A Role for 4-Hydroxynonenal, an Aldehydic Product of Lipid Peroxidation, in Disruption of Ion Homeostasis and Neuronal Death Induced by Amyloid β -Peptide. <i>Journal of Neurochemistry</i> , 1997, 68, 255-264.	2.1	707
4	Dietary Cyanidin 3-O- β -D-Glucoside-Rich Purple Corn Color Prevents Obesity and Ameliorates Hyperglycemia in Mice. <i>Journal of Nutrition</i> , 2003, 133, 2125-2130.	1.3	688
5	Mitochondrial Electron Transport Complex I Is a Potential Source of Oxygen Free Radicals in the Failing Myocardium. <i>Circulation Research</i> , 1999, 85, 357-363.	2.0	615
6	Long-Term Administration of Nicotinamide Mononucleotide Mitigates Age-Associated Physiological Decline in Mice. <i>Cell Metabolism</i> , 2016, 24, 795-806.	7.2	552
7	Role of reactive aldehyde in cardiovascular diseases. <i>Free Radical Biology and Medicine</i> , 2000, 28, 1685-1696.	1.3	537
8	Activation of Stress Signaling Pathways by the End Product of Lipid Peroxidation. <i>Journal of Biological Chemistry</i> , 1999, 274, 2234-2242.	1.6	527
9	Amyloid β -Peptide Impairs Glucose Transport in Hippocampal and Cortical Neurons: Involvement of Membrane Lipid Peroxidation. <i>Journal of Neuroscience</i> , 1997, 17, 1046-1054.	1.7	523
10	Acrolein Is a Product of Lipid Peroxidation Reaction. <i>Journal of Biological Chemistry</i> , 1998, 273, 16058-16066.	1.6	488
11	Transferrin Receptor Is a Specific Ferroptosis Marker. <i>Cell Reports</i> , 2020, 30, 3411-3423.e7.	2.9	414
12	Imidazole Ketone Erastin Induces Ferroptosis and Slows Tumor Growth in a Mouse Lymphoma Model. <i>Cell Chemical Biology</i> , 2019, 26, 623-633.e9.	2.5	399
13	Transcription Factor Nrf2 Regulates Inflammation by Mediating the Effect of 15-Deoxy- $\Delta^12,14$ -Prostaglandin J ₂ . <i>Molecular and Cellular Biology</i> , 2004, 24, 36-45.	1.1	383
14	15-Deoxy- $\Delta^12,14$ -prostaglandin J ₂ . <i>Journal of Biological Chemistry</i> , 2002, 277, 10459-10466.	1.6	361
15	Protein-Bound Acrolein. <i>Journal of Neurochemistry</i> , 1999, 72, 751-756.	2.1	358
16	Methylglyoxal Modification of Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 18492-18502.	1.6	317
17	4-Hydroxy-2-nonenal-mediated Impairment of Intracellular Proteolysis during Oxidative Stress. <i>Journal of Biological Chemistry</i> , 1999, 274, 23787-23793.	1.6	309
18	Hydrogen sulfide anion regulates redox signaling via electrophile sulfhydration. <i>Nature Chemical Biology</i> , 2012, 8, 714-724.	3.9	274

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19	Macrophage as a Target of Quercetin Glucuronides in Human Atherosclerotic Arteries. <i>Journal of Biological Chemistry</i> , 2008, 283, 9424-9434.	1.6	267
20	Current Status of Acrolein as a Lipid Peroxidation Product. <i>Trends in Cardiovascular Medicine</i> , 1999, 9, 109-113.	2.3	259
21	Michael Addition-Type 4-Hydroxy-2-nonenal Adducts in Modified Low-Density Lipoproteins: Markers for Atherosclerosis. <i>Biochemistry</i> , 1994, 33, 12487-12494.	1.2	242
22	Biomarker evidence of DNA oxidation in lung cancer patients: association of urinary 8-hydroxy-2'-deoxyguanosine excretion with radiotherapy, chemotherapy, and response to treatment. <i>FEBS Letters</i> , 1997, 409, 287-291.	1.3	236
23	A Sulforaphane Analogue That Potently Activates the Nrf2-dependent Detoxification Pathway. <i>Journal of Biological Chemistry</i> , 2002, 277, 3456-3463.	1.6	234
24	Oxidative and nitrosative stress in acute renal ischemia. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, F948-F957.	1.3	225
25	Immunohistochemical Evidence for an Increased Oxidative Stress and Carbonyl Modification of Proteins in Diabetic Glomerular Lesions. <i>Journal of the American Society of Nephrology: JASN</i> , 1999, 10, 822-832.	3.0	216
26	Molecular characterization of TRPA1 channel activation by cysteine-reactive inflammatory mediators. <i>Channels</i> , 2008, 2, 287-298.	1.5	215
27	Curcumin and Especially Tetrahydrocurcumin Ameliorate Oxidative Stress-Induced Renal Injury in Mice. <i>Journal of Nutrition</i> , 2001, 131, 2090-2095.	1.3	207
28	Morphological evidence for lipid peroxidation and protein glycoxidation in spinal cords from sporadic amyotrophic lateral sclerosis patients. <i>Brain Research</i> , 2001, 917, 97-104.	1.1	198
29	Differential Responses of the Nrf2-Keap1 System to Laminar and Oscillatory Shear Stresses in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 27244-27250.	1.6	198
30	The monoclonal antibody specific for the 4-hydroxy-2-nonenal histidine adduct. <i>FEBS Letters</i> , 1995, 359, 189-191.	1.3	195
31	Cyclopentenone Prostaglandins as Potential Inducers of Intracellular Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2001, 276, 12076-12083.	1.6	188
32	8-Hydroxy-2'-Deoxyguanosine Is Increased in Epidermal Cells of Hairless Mice after Chronic Ultraviolet B Exposure. <i>Journal of Investigative Dermatology</i> , 1996, 107, 733-737.	0.3	183
33	Molecular Mechanism of Cellular Oxidative Stress Sensing by Keap1. <i>Cell Reports</i> , 2019, 28, 746-758.e4.	2.9	179
34	Formation of 8-hydroxy-2'-deoxyguanosine and 4-hydroxy-2-nonenal-modified proteins in human renal-cell carcinoma. <i>International Journal of Cancer</i> , 1994, 58, 825-829.	2.3	174
35	15-Deoxy- $\Delta^{12,14}$ -prostaglandin J2: The endogenous electrophile that induces neuronal apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7367-7372.	3.3	171
36	Oxidative Modification of Proteasome: Identification of an Oxidation-Sensitive Subunit in 26 S Proteasome. <i>Biochemistry</i> , 2005, 44, 13893-13901.	1.2	164

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37	4-Hydroxynonenal, a product of lipid peroxidation, inhibits dephosphorylation of the microtubule-associated protein tau. <i>NeuroReport</i> , 1997, 8, 2275-2281.	0.6	161
38	Zerumbone, a tropical ginger sesquiterpene, activates phase II drug metabolizing enzymes. <i>FEBS Letters</i> , 2004, 572, 245-250.	1.3	156
39	Histochemical detection of 4-hydroxynonenal protein in Alzheimer amyloid. <i>Journal of the Neurological Sciences</i> , 1998, 156, 172-176.	0.3	148
40	Involvement of the Mitochondrial Death Pathway in Chemopreventive Benzyl Isothiocyanate-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2002, 277, 8492-8499.	1.6	148
41	Thioredoxin as a Molecular Target of Cyclopentenone Prostaglandins. <i>Journal of Biological Chemistry</i> , 2003, 278, 26046-26054.	1.6	146
42	Ebselen, a Glutathione Peroxidase Mimetic Seleno-organic Compound, as a Multifunctional Antioxidant. <i>Journal of Biological Chemistry</i> , 2002, 277, 2687-2694.	1.6	142
43	Characterization of Epitopes Recognized by 4-Hydroxy-2-nonenal Specific Antibodies. <i>Archives of Biochemistry and Biophysics</i> , 1995, 324, 241-248.	1.4	139
44	A Lipid Peroxidation-derived Inflammatory Mediator. <i>Journal of Biological Chemistry</i> , 2004, 279, 48389-48396.	1.6	138
45	15-Deoxy- $\Delta^{12,14}$ -prostaglandin J ₂ : An Electrophilic Trigger of Cellular Responses. <i>Chemical Research in Toxicology</i> , 2008, 21, 138-144.	1.7	137
46	Ebselen, a Seleno-organic Antioxidant, as an Electrophile. <i>Chemical Research in Toxicology</i> , 2006, 19, 1196-1204.	1.7	135
47	2-Oxo-histidine as a novel biological marker for oxidatively modified proteins. <i>FEBS Letters</i> , 1993, 332, 208-210.	1.3	131
48	AGGREGATION OF COLLAGEN EXPOSED TO UVA IN THE PRESENCE OF RIBOFLAVIN: A PLAUSIBLE ROLE OF TYROSINE MODIFICATION. <i>Photochemistry and Photobiology</i> , 1994, 59, 343-349.	1.3	131
49	A Link between Benzyl Isothiocyanate-Induced Cell Cycle Arrest and Apoptosis: Involvement of Mitogen-Activated Protein Kinases in the Bcl-2 Phosphorylation. <i>Cancer Research</i> , 2004, 64, 2134-2142.	0.4	130
50	Oxidative Stress Is Found in Amyloid Deposits in Systemic Amyloidosis. <i>Biochemical and Biophysical Research Communications</i> , 1997, 232, 497-502.	1.0	126
51	Generation of protein carbonyls by glycooxidation and lipoxidation reactions with autoxidation products of ascorbic acid and polyunsaturated fatty acids. <i>FEBS Letters</i> , 1998, 437, 24-28.	1.3	124
52	Protein Modification by Lipid Peroxidation Products: Formation of Malondialdehyde-Derived N ϵ -(2-Propenal)lysine in Proteins. <i>Archives of Biochemistry and Biophysics</i> , 1997, 346, 45-52.	1.4	123
53	A novel mechanism for oxidative cleavage of prolyl peptides induced by the hydroxyl radical. <i>Biochemical and Biophysical Research Communications</i> , 1990, 169, 265-271.	1.0	122
54	Oxidative Stress Is Associated with Region-Specific Neuronal Death During Thiamine Deficiency. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 946-958.	0.9	120

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55	Advanced glycation and lipidoxidation of the peritoneal membrane: Respective roles of serum and peritoneal fluid reactive carbonyl compounds. <i>Kidney International</i> , 2000, 58, 425-435.	2.6	119
56	Molecular Basis of Enzyme Inactivation by an Endogenous Electrophile 4-Hydroxy-2-nonenal: Identification of Modification Sites in Glyceraldehyde-3-phosphate Dehydrogenase. <i>Biochemistry</i> , 2003, 42, 3474-3480.	1.2	113
57	Role of 15-Deoxy $\Delta^{12,14}$ Prostaglandin J2 and Nrf2 Pathways in Protection against Acute Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 171, 1260-1266.	2.5	111
58	Acrolein Impairs ATP Binding Cassette Transporter A1-dependent Cholesterol Export from Cells through Site-specific Modification of Apolipoprotein A-I. <i>Journal of Biological Chemistry</i> , 2005, 280, 36386-36396.	1.6	108
59	Black Tea Polyphenols, Theaflavins, Prevent Cellular DNA Damage by Inhibiting Oxidative Stress and Suppressing Cytochrome P450 1A1 in Cell Cultures. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 213-220.	2.4	103
60	N ϵ -(3-Methylpyridinium)lysine, a Major Antigenic Adduct Generated in Acrolein-modified Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 48658-48665.	1.6	102
61	Albumin Is the Main Nucleophilic Target of Human Plasma: A Protective Role Against Pro-atherogenic Electrophilic Reactive Carbonyl Species?. <i>Chemical Research in Toxicology</i> , 2008, 21, 824-835.	1.7	100
62	Methylglyoxal, a glycolysis side-product, induces Hsp90 glycation and YAP-mediated tumor growth and metastasis. <i>ELife</i> , 2016, 5, .	2.8	100
63	Endogenous Formation of Protein Adducts with Carcinogenic Aldehydes. <i>Journal of Biological Chemistry</i> , 2001, 276, 23903-23913.	1.6	98
64	Dietary ginger constituents, galanals A and B, are potent apoptosis inducers in Human T lymphoma Jurkat cells. <i>Cancer Letters</i> , 2003, 199, 113-119.	3.2	98
65	Critical role of acrolein in secondary injury following <i>ex vivo</i> spinal cord trauma. <i>Journal of Neurochemistry</i> , 2008, 107, 712-721.	2.1	97
66	Thiolation of Protein-bound Carcinogenic Aldehyde. <i>Journal of Biological Chemistry</i> , 2002, 277, 27919-27926.	1.6	96
67	4-Hydroxy-2-nonenal, the End Product of Lipid Peroxidation, Is a Specific Inducer of Cyclooxygenase-2 Gene Expression. <i>Biochemical and Biophysical Research Communications</i> , 2000, 273, 437-441.	1.0	95
68	Chemical Knockdown of Protein-tyrosine Phosphatase 1B by 1,2-Naphthoquinone through Covalent Modification Causes Persistent Transactivation of Epidermal Growth Factor Receptor. <i>Journal of Biological Chemistry</i> , 2007, 282, 33396-33404.	1.6	95
69	Cyclopentenone Prostaglandins as Potential Inducers of Phase II Detoxification Enzymes. <i>Journal of Biological Chemistry</i> , 2000, 275, 11291-11299.	1.6	94
70	Accumulation of Acrolein-Protein Adducts after Traumatic Spinal Cord Injury. <i>Neurochemical Research</i> , 2005, 30, 291-295.	1.6	94
71	Serum 4-Hydroxy-2-Nonenal-Modified Albumin Is Elevated in Patients with Type 2 Diabetes Mellitus. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 681-685.	2.5	93
72	Carbonyl scavenger and antiatherogenic effects of hydrazine derivatives. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1457-1467.	1.3	92

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73	Protein modification by a Maillard reaction intermediate methylglyoxal. <i>FEBS Letters</i> , 1997, 410, 313-318.	1.3	90
74	Successful interferon therapy reverses enhanced hepatic iron accumulation and lipid peroxidation in chronic hepatitis C. <i>American Journal of Gastroenterology</i> , 2000, 95, 1041-1050.	0.2	90
75	Isothiocyanates Reduce Mercury Accumulation via an Nrf2-Dependent Mechanism during Exposure of Mice to Methylmercury. <i>Environmental Health Perspectives</i> , 2011, 119, 1117-1122.	2.8	90
76	Bilirubin rinse: A simple protectant against the rat liver graft injury mimicking heme oxygenase-1 preconditioning. <i>Hepatology</i> , 2003, 38, 364-373.	3.6	87
77	Immunochemical detection of a lipofuscin-like fluorophore derived from malondialdehyde and lysine. <i>Journal of Lipid Research</i> , 2001, 42, 1187-1196.	2.0	87
78	Mode of action of sesame lignans in protecting lowdensity lipoprotein against oxidative damage in vitro. <i>Life Sciences</i> , 1999, 66, 161-171.	2.0	86
79	GLO1 overexpression in human malignant melanoma. <i>Melanoma Research</i> , 2010, 20, 85-96.	0.6	82
80	Coat Assembly Directs v-SNARE Concentration into Synthetic COPII Vesicles. <i>Molecular Cell</i> , 1998, 2, 703-708.	4.5	81
81	Induction of a Wide Range of C2 ^α -12 Aldehydes and C7 ^α -12 Acylolins in the Kidney of Wistar Rats After Treatment With a Renal Carcinogen, Ferric Nitrosotriacetate. <i>Free Radical Biology and Medicine</i> , 1997, 22, 1019-1027.	1.3	80
82	Cellular Response to the Redox Active Lipid Peroxidation Products: Induction of Glutathione S-Transferase P by 4-Hydroxy-2-nonenal. <i>Biochemical and Biophysical Research Communications</i> , 1997, 236, 505-509.	1.0	79
83	A phase II detoxification enzyme inducer from lemongrass: identification of citral and involvement of electrophilic reaction in the enzyme induction. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 593-600.	1.0	79
84	A 1-Hour Enzyme-Linked Immunosorbent Assay for Quantitation of Acrolein- and Hydroxynonenal-Modified Proteins by Epitope-Bound Casein Matrix Method. <i>Analytical Biochemistry</i> , 1999, 270, 323-328.	1.1	78
85	Sequence-dependent reactivity of histidine-containing peptides with copper(II)/ascorbate. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 13-16.	2.4	77
86	Selective oxidation of imidazole ring in histidine residues by the ascorbic acid [•] copper ion system. <i>Biochemical and Biophysical Research Communications</i> , 1986, 138, 659-665.	1.0	76
87	Structural Basis of Protein-bound Endogenous Aldehydes. <i>Journal of Biological Chemistry</i> , 2003, 278, 5044-5051.	1.6	76
88	Immunohistochemical detection of lipid peroxidation products, protein-bound acrolein and 4-hydroxynonenal protein adducts, in actinic elastosis of photodamaged skin. <i>Archives of Dermatological Research</i> , 2001, 293, 363-367.	1.1	75
89	Anticarcinogenic antioxidants as inhibitors against intracellular oxidative stress. <i>Free Radical Research</i> , 2001, 35, 779-788.	1.5	74
90	Identification of Actin as a 15-Deoxy- ^{12,14} -prostaglandin J2Target in Neuroblastoma Cells: A Mass Spectrometric, Computational, and Functional Approaches To Investigate the Effect on Cytoskeletal Derangement. <i>Biochemistry</i> , 2007, 46, 2707-2718.	1.2	73

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91	Heat-shock protein 27 is a major methylglyoxal-modified protein in endothelial cells. <i>FEBS Letters</i> , 2006, 580, 1565-1570.	1.3	72
92	Pivotal Role of Electrophilicity in Glutathione S-Transferase Induction by tert-Butylhydroquinone. <i>Biochemistry</i> , 2003, 42, 4300-4309.	1.2	67
93	Protein-bound 4-hydroxy-2-hexenal as a marker of oxidized n-3 polyunsaturated fatty acids. <i>Journal of Lipid Research</i> , 2004, 45, 626-634.	2.0	67
94	Site-specific oxidation of angiotensin I by copper(II) and l-ascorbate: Conversion of histidine residues to 2-imidazolones. <i>Archives of Biochemistry and Biophysics</i> , 1990, 283, 20-26.	1.4	66
95	Desensitization of Platelet-Derived Growth Factor Receptor- β 2 by Oxidized Lipids in Vascular Cells and Atherosclerotic Lesions. <i>Circulation Research</i> , 2006, 98, 785-792.	2.0	65
96	Autoxidative degradation of Amadori compounds in the presence of copper ion. <i>Carbohydrate Research</i> , 1991, 211, 167-171.	1.1	62
97	Expression and function of PPAR β in rat placental development. <i>Biochemical and Biophysical Research Communications</i> , 2004, 315, 497-501.	1.0	62
98	12 -Prostaglandin J_2 as a Product and Ligand of Human Serum Albumin: Formation of an Unusual Covalent Adduct at His146. <i>Journal of the American Chemical Society</i> , 2010, 132, 824-832.	6.6	62
99	Structural and functional insights into S-thiolation of human serum albumins. <i>Scientific Reports</i> , 2018, 8, 932.	1.6	62
100	Antiplatelet and anticancer isothiocyanates in Japanese domestic horseradish, wasabi. <i>BioFactors</i> , 2000, 13, 271-276.	2.6	61
101	Formation of Acrolein-derived 2-Deoxyadenosine Adduct in an Iron-induced Carcinogenesis Model. <i>Journal of Biological Chemistry</i> , 2003, 278, 50346-50354.	1.6	61
102	Lipid Peroxidation Generates Body Odor Component trans-2-Nonenal Covalently Bound to Protein in Vivo. <i>Journal of Biological Chemistry</i> , 2010, 285, 15302-15313.	1.6	60
103	Hormetic potential of methylglyoxal, a side-product of glycolysis, in switching tumours from growth to death. <i>Scientific Reports</i> , 2017, 7, 11722.	1.6	60
104	Structure of a Fluorescent Compound Formed from 4-Hydroxy-2-nonenal and β -Hippuryllysine: A Model for Fluorophores Derived from Protein Modifications by Lipid Peroxidation. <i>Journal of Organic Chemistry</i> , 1998, 63, 185-187.	1.7	59
105	Oxidative Modification of Apolipoprotein E in Human Very-Low-Density Lipoprotein and Its Inhibition by Glycosaminoglycans. <i>Archives of Biochemistry and Biophysics</i> , 1999, 367, 1-8.	1.4	58
106	New Method for the Quantitative Determination of Major Protein Carbonyls, α -Amino adipic and β -Glutamic Semialdehydes: Investigation of the Formation Mechanism and Chemical Nature in Vitro and in Vivo. <i>Chemical Research in Toxicology</i> , 2006, 19, 1059-1065.	1.7	58
107	Direct exposure of non-equilibrium atmospheric pressure plasma confers simultaneous oxidative and ultraviolet modifications in biomolecules. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014, 55, 207-215.	0.6	58
108	Tissue distribution of lipid peroxidation product acrolein in human colon carcinogenesis. <i>Free Radical Research</i> , 2006, 40, 543-552.	1.5	57

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109	Mass Spectroscopic Characterization of Protein Modification by Malondialdehyde. <i>Chemical Research in Toxicology</i> , 2006, 19, 122-129.	1.7	57
110	Identification of a Lipid Peroxidation Product as a Potential Trigger of the p53 Pathway*. <i>Journal of Biological Chemistry</i> , 2006, 281, 1196-1204.	1.6	56
111	Metal-catalyzed oxidative degradation of collagen. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 9-12.	2.4	55
112	Antiplatelet and anticancer isothiocyanates in Japanese domestic horseradish, Wasabi. <i>Mechanisms of Ageing and Development</i> , 2000, 116, 125-134.	2.2	55
113	An Endogenous Electrophile that Modulates the Regulatory Mechanism of Protein Turnover: Inhibitory Effects of 15-Deoxy- $\Delta^12,14$ -prostaglandin J2 on Proteasome. <i>Biochemistry</i> , 2003, 42, 13960-13968.	1.2	55
114	Phenolic Antioxidants Prevent Peroxynitrite-Derived Collagen Modification in Vitro. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 3004-3009.	2.4	54
115	Endogenous Formation of Novel Halogenated 2-Deoxycytidine. <i>Journal of Biological Chemistry</i> , 2004, 279, 51241-51249.	1.6	54
116	Heat Shock Protein 90 Modulates Lipid Homeostasis by Regulating the Stability and Function of Sterol Regulatory Element-binding Protein (SREBP) and SREBP Cleavage-activating Protein. <i>Journal of Biological Chemistry</i> , 2017, 292, 3016-3028.	1.6	54
117	Abnormal myofiber morphology and limb dysfunction in claudication. <i>Journal of Surgical Research</i> , 2015, 196, 172-179.	0.8	53
118	Oxidative Stress Response in Iron-Induced Acute Nephrotoxicity: Enhanced Expression of Heat Shock Protein 90. <i>Biochemical and Biophysical Research Communications</i> , 1996, 219, 76-81.	1.0	52
119	A novel fluorescent malondialdehyde-lysine adduct. <i>Chemistry and Physics of Lipids</i> , 1996, 84, 75-79.	1.5	52
120	Catechol Type Polyphenol Is a Potential Modifier of Protein Sulfhydryls: Development and Application of a New Probe for Understanding the Dietary Polyphenol Actions. <i>Chemical Research in Toxicology</i> , 2009, 22, 1689-1698.	1.7	50
121	Iron-mediated oxidative stress plays an essential role in ferritin-induced cell death. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1347-1357.	1.3	50
122	TRPC3-Nox2 complex mediates doxorubicin-induced myocardial atrophy. <i>JCI Insight</i> , 2017, 2, .	2.3	50
123	Postischemic accumulation of lipid peroxidation products in the rat brain: immunohistochemical detection of 4-hydroxy-2-nonenal modified proteins. <i>Brain Research</i> , 1997, 767, 81-86.	1.1	49
124	Induction of Reversible Cysteine-Targeted Protein Oxidation by an Endogenous Electrophile 15-Deoxy- $\Delta^12,14$ -prostaglandin J2. <i>Chemical Research in Toxicology</i> , 2004, 17, 1313-1322.	1.7	49
125	Dose-Dependent Differential Regulation of Cytokine Secretion from Macrophages by Fractalkine. <i>Journal of Immunology</i> , 2007, 179, 7478-7487.	0.4	49
126	Protective Effect of Colored Rice over White Rice on Fenton Reaction-based Renal Lipid Peroxidation in Rats. <i>Free Radical Research</i> , 2002, 36, 583-592.	1.5	48

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127	Selective formation of certain advanced glycation end products in spinal cord astrocytes of humans and mice with superoxide dismutase-1 mutation. <i>Acta Neuropathologica</i> , 2002, 104, 171-178.	3.9	48
128	2-Deoxy-2-deoxycytidine in free nucleosides and double-stranded dna as the major target of lipid peroxidation products. <i>Free Radical Biology and Medicine</i> , 2004, 36, 529-541.	1.3	48
129	Acrolein Modifies Apolipoprotein A-I in the Human Artery Wall. <i>Annals of the New York Academy of Sciences</i> , 2005, 1043, 396-403.	1.8	48
130	Metal-Catalyzed Oxidation of Protein-Bound Dopamine. <i>Biochemistry</i> , 2006, 45, 15120-15128.	1.2	48
131	Crotonaldehyde accumulates in glial cells of Alzheimer's disease brain. <i>Acta Neuropathologica</i> , 2006, 111, 422-429.	3.9	48
132	Methylglyoxal-Mediated Stress Correlates with High Metabolic Activity and Promotes Tumor Growth in Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2017, 18, 213.	1.8	48
133	Oxidative degradation of collagen and its model peptide by ultraviolet irradiation. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 373-379.	2.4	47
134	Prevention by 2-Mercaptoethane Sulfonate and N-Acetylcysteine of Renal Oxidative Damage in Rats Treated with Ferric Nitrosyltriacetate. <i>Japanese Journal of Cancer Research</i> , 1996, 87, 882-886.	1.7	47
135	A glutathione S-transferase inducer from papaya: rapid screening, identification and structure-activity relationship of isothiocyanates. <i>Cancer Letters</i> , 2000, 157, 193-200.	3.2	47
136	Role of p38 Mitogen-Activated Protein Kinase in the 4-Hydroxy-2-Nonenal-Induced Cyclooxygenase-2 Expression. <i>Archives of Biochemistry and Biophysics</i> , 2002, 397, 240-245.	1.4	47
137	Redox-derived damage-associated molecular patterns: Ligand function of lipid peroxidation adducts. <i>Redox Biology</i> , 2013, 1, 94-96.	3.9	47
138	Toll-like Receptors as a Target of Food-derived Anti-inflammatory Compounds. <i>Journal of Biological Chemistry</i> , 2014, 289, 32757-32772.	1.6	47
139	Ascorbate-mediated specific oxidation of the imidazole ring in a histidine derivative. <i>Bioorganic Chemistry</i> , 1989, 17, 330-343.	2.0	46
140	Oxidative damage of protein induced by the Amadori compound-copper ion system. <i>Journal of Agricultural and Food Chemistry</i> , 1990, 38, 13-17.	2.4	46
141	Nuclear glutathione S-transferase prevents apoptosis by reducing the oxidative stress-induced formation of exocyclic dna products. <i>Free Radical Biology and Medicine</i> , 2004, 37, 1875-1884.	1.3	46
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