Dean P Jones

List of Publications by Year
in descending order

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466 papers	45,429 citations	2544 96 h-index	2509 196 g-index
482 all docs	482 docs citations	482 times ranked	44867 citing authors

#	Article	IF	Citations
1	Prevention of Apoptosis by Bcl-2: Release of Cytochrome c from Mitochondria Blocked. Science, 1997, 275, 1129-1132.	12.6	4,648
2	Reactive oxygen species (ROS) as pleiotropic physiological signalling agents. Nature Reviews Molecular Cell Biology, 2020, 21, 363-383.	37.0	2,341
3	Oxidative Stress. Annual Review of Biochemistry, 2017, 86, 715-748.	11.1	2,180
4	Redefining Oxidative Stress. Antioxidants and Redox Signaling, 2006, 8, 1865-1879.	5.4	1,381
5	The ADP/ATP translocator is not essential for the mitochondrial permeability transition pore. Nature, 2004, 427, 461-465.	27.8	986
6	Radical-free biology of oxidative stress. American Journal of Physiology - Cell Physiology, 2008, 295, C849-C868.	4.6	938
7	Superoxide in Apoptosis. Journal of Biological Chemistry, 1998, 273, 11401-11404.	3.4	700
8	Predicting Network Activity from High Throughput Metabolomics. PLoS Computational Biology, 2013, 9, e1003123.	3.2	697
9	[11] Redox potential of GSH/GSSG couple: Assay and biological significance. Methods in Enzymology, 2002, 348, 93-112.	1.0	673
10	Oxidative damage and protection of the RPE. Progress in Retinal and Eye Research, 2000, 19, 205-221.	15.5	565
11	Redox compartmentalization in eukaryotic cells. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 1273-1290.	2.4	538
12	Redox state of glutathione in human plasma. Free Radical Biology and Medicine, 2000, 28, 625-635.	2.9	509
13	Nonequilibrium thermodynamics of thiol/disulfide redox systems: A perspective on redox systems biology. Free Radical Biology and Medicine, 2008, 44, 921-937.	2.9	494
14	The Redox Code. Antioxidants and Redox Signaling, 2015, 23, 734-746.	5.4	474
15	Defining roles of specific reactive oxygen species (ROS) in cell biology and physiology. Nature Reviews Molecular Cell Biology, 2022, 23, 499-515.	37.0	469
16	Glutathione measurement in human plasma. Clinica Chimica Acta, 1998, 275, 175-184.	1.1	461
17	Glutathione in Human Plasma: Decline in Association with Aging, Age-Related Macular Degeneration, and Diabetes. Free Radical Biology and Medicine, 1998, 24, 699-704.	2.9	434
18	NUCLEAR AND MITOCHONDRIAL COMPARTMENTATION OF OXIDATIVE STRESS AND REDOX SIGNALING. Annual Review of Pharmacology and Toxicology, 2006, 46, 215-234.	9.4	387

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19	Autophagy is essential for effector CD8+ T cell survival and memory formation. Nature Immunology, 2014, 15, 1152-1161.	14.5	367
20	The Nature of Nurture: Refining the Definition of the Exposome. Toxicological Sciences, 2014, 137, 1-2.	3.1	350
21	Redox analysis of human plasma allows separation of pro-oxidant events of aging from decline in antioxidant defenses. Free Radical Biology and Medicine, 2002, 33, 1290-1300.	2.9	349
22	EXTRACELLULAR THIOLS AND THIOL/DISULFIDE REDOX IN METABOLISM. Annual Review of Nutrition, 2004, 24, 481-509.	10.1	348
23	Cysteine/cystine redox signaling in cardiovascular disease. Free Radical Biology and Medicine, 2011, 50, 495-509.	2.9	339
24	Honokiol blocks and reverses cardiac hypertrophy in mice by activating mitochondrial Sirt3. Nature Communications, 2015, 6, 6656.	12.8	336
25	Glutathione redox potential in response to differentiation and enzyme inducers. Free Radical Biology and Medicine, 1999, 27, 1208-1218.	2.9	321
26	Metabolism of hydrogen peroxide in isolated hepatocytes: Relative contributions of catalase and glutathione peroxidase in decomposition of endogenously generated H2O2. Archives of Biochemistry and Biophysics, 1981, 210, 505-516.	3.0	316
27	Compartmentation of Glutathione: Implications for the Study of Toxicity and Disease. Toxicology and Applied Pharmacology, 1996, 140, 1-12.	2.8	314
28	apLCMSâ€"adaptive processing of high-resolution LC/MS data. Bioinformatics, 2009, 25, 1930-1936.	4.1	303
29	xMSanalyzer: automated pipeline for improved feature detection and downstream analysis of large-scale, non-targeted metabolomics data. BMC Bioinformatics, 2013, 14, 15.	2.6	301
30	The cysteine proteome. Free Radical Biology and Medicine, 2015, 84, 227-245.	2.9	277
31	Measuring the poise of thiol/disulfide couples in vivo. Free Radical Biology and Medicine, 2009, 47, 1329-1338.	2.9	272
32	Cysteine/cystine couple is a newly recognized node in the circuitry for biologic redox signaling and control. FASEB Journal, 2004, 18, 1246-1248.	0.5	269
33	The pathophysiological significance of lipid peroxidation in oxidative cell injury. Hepatology, 1987, 7, 377-386.	7.3	266
34	Redox Potential of Human Thioredoxin 1 and Identification of a Second Dithiol/Disulfide Motif. Journal of Biological Chemistry, 2003, 278, 33408-33415.	3.4	264
35	Commensal bacteria modulate cullin-dependent signaling via generation of reactive oxygen species. EMBO Journal, 2007, 26, 4457-4466.	7.8	241
36	Metabolic Phenotypes of Response to Vaccination in Humans. Cell, 2017, 169, 862-877.e17.	28.9	234

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37	xMSannotator: An R Package for Network-Based Annotation of High-Resolution Metabolomics Data. Analytical Chemistry, 2017, 89, 1063-1067.	6.5	231
38	Nutritional Metabolomics: Progress in Addressing Complexity in Diet and Health. Annual Review of Nutrition, 2012, 32, 183-202.	10.1	226
39	Differential oxidation of thioredoxin-1, thioredoxin-2, and glutathione by metal ions*. Free Radical Biology and Medicine, 2006, 40, 138-145.	2.9	225
40	Extracellular Redox State: Refining the Definition of Oxidative Stress in Aging. Rejuvenation Research, 2006, 9, 169-181.	1.8	221
41	The Redox Proteome. Journal of Biological Chemistry, 2013, 288, 26512-26520.	3.4	216
42	Glutathione depletion enforces the mitochondrial permeability transition and causes cell death in HL60 cells that overexpress Bclâ€2. FASEB Journal, 2002, 16, 1263-1265.	0.5	208
43	Clinical trials of antioxidants as cancer prevention agents: Past, present, and future. Free Radical Biology and Medicine, 2011, 51, 1068-1084.	2.9	207
44	Oxidative Stress Markers Are Associated with Persistent Atrial Fibrillation. Clinical Chemistry, 2007, 53, 1652-1657.	3.2	202
45	The Relationship Between Plasma Levels of Oxidized and Reduced Thiols and Early Atherosclerosis in Healthy Adults. Journal of the American College of Cardiology, 2006, 47, 1005-1011.	2.8	201
46	Thiol/disulfide redox states in signaling and sensing. Critical Reviews in Biochemistry and Molecular Biology, 2013, 48, 173-181.	5.2	198
47	Glutathione and thioredoxin redox during differentiation in human colon epithelial (Caco-2) cells. American Journal of Physiology - Renal Physiology, 2002, 283, G1352-G1359.	3.4	194
48	Computational Metabolomics: A Framework for the Million Metabolome. Chemical Research in Toxicology, 2016, 29, 1956-1975.	3.3	191
49	Distribution of oxidized and reduced forms of glutathione and cysteine in rat plasma. Archives of Biochemistry and Biophysics, 1985, 240, 583-592.	3.0	188
50	Reference Standardization for Mass Spectrometry and High-resolution Metabolomics Applications to Exposome Research. Toxicological Sciences, 2015, 148, 531-543.	3.1	186
51	Vaccine Activation of the Nutrient Sensor GCN2 in Dendritic Cells Enhances Antigen Presentation. Science, 2014, 343, 313-317.	12.6	181
52	Redox Control Systems in the Nucleus: Mechanisms and Functions. Antioxidants and Redox Signaling, 2010, 13, 489-509.	5.4	176
53	Association between adherence to the Mediterranean diet and oxidative stress. American Journal of Clinical Nutrition, 2008, 88, 1364-70.	4.7	175
54	Inhibition of influenza infection by glutathione. Free Radical Biology and Medicine, 2003, 34, 928-936.	2.9	173

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55	Oxidation of glutathione and cysteine in human plasma associated with smoking. Free Radical Biology and Medicine, 2003, 35, 1582-1588.	2.9	165
56	A Model of Redox Kinetics Implicates the Thiol Proteome in Cellular Hydrogen Peroxide Responses. Antioxidants and Redox Signaling, 2010, 13, 731-743.	5.4	163
57	Redox theory of aging. Redox Biology, 2015, 5, 71-79.	9.0	160
58	Inhibition of ileal bile acid uptake protects against nonalcoholic fatty liver disease in high-fat dietâ€“fed mice. Science Translational Medicine, 2016, 8, 357ra122.	12.4	160
59	Diurnal variation in glutathione and cysteine redox states in human plasma. American Journal of Clinical Nutrition, 2007, 86, 1016-1023.	4.7	159
60	Gut-Resident Lactobacilli Activate Hepatic Nrf2 and Protect Against Oxidative Liver Injury. Cell Metabolism, 2020, 31, 956-968.e5.	16.2	157
61	High-performance metabolic profiling with dual chromatography-Fourier-transform mass spectrometry (DC-FTMS) for study of the exposome. Metabolomics, 2013, 9, 132-143.	3.0	154
62	Glutathione in foods listed in the national cancer institute's health habits and history food frequency questionnaire. Nutrition and Cancer, 1992, 17, 57-75.	2.0	153
63	Disruption of mitochondrial redox circuitry in oxidative stress. Chemico-Biological Interactions, 2006, 163, 38-53.	4.0	150
64	Sampling interstitial fluid from human skin using a microneedle patch. Science Translational Medicine, 2020, 12, .	12.4	150
65	Compartmental oxidation of thiolâ€“disulphide redox couples during epidermal growth factor signalling. Biochemical Journal, 2005, 386, 215-219.	3.7	149
66	Overexpressed Human Mitochondrial Thioredoxin Confers Resistance to Oxidant-induced Apoptosis in Human Osteosarcoma Cells. Journal of Biological Chemistry, 2002, 277, 33242-33248.	3.4	145
67	Biomarkers of oxidative stress study: are plasma antioxidants markers of CCl4 poisoning?. Free Radical Biology and Medicine, 2000, 28, 838-845.	2.9	144
68	The Exposome: Molecules to Populations. Annual Review of Pharmacology and Toxicology, 2019, 59, 107-127.	9.4	144
69	Compartmentation of Nrf-2 Redox Control: Regulation of Cytoplasmic Activation by Glutathione and DNA Binding by Thioredoxin-1. Toxicological Sciences, 2004, 82, 308-317.	3.1	143
70	Intracellular Proatherogenic Events and Cell Adhesion Modulated by Extracellular Thiol/Disulfide Redox State. Circulation, 2005, 111, 2973-2980.	1.6	141
71	Plasma Metabolomics in Human Pulmonary Tuberculosis Disease: A Pilot Study. PLoS ONE, 2014, 9, e108854.	2.5	140
72	Plasma antioxidant status after high-dose chemotherapy: a randomized trial of parenteral nutrition in bone marrow transplantation patients. American Journal of Clinical Nutrition, 2000, 72, 181-189.	4.7	139

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73	Redox sensing: orthogonal control in cell cycle and apoptosis signalling. Journal of Internal Medicine, 2010, 268, 432-448.	6.0	138
74	xMWAS: a data-driven integration and differential network analysis tool. Bioinformatics, 2018, 34, 701-702.	4.1	132
75	Extracellular thiol/disulfide redox state affects proliferation rate in a human colon carcinoma (Caco2) cell line. Free Radical Biology and Medicine, 2002, 33, 1499-1506.	2.9	131
76	Redox theory of aging: implications for health and disease. Clinical Science, 2017, 131, 1669-1688.	4.3	130
77	Attenuation of Angiotensin IIâ€“Induced Vascular Dysfunction and Hypertension by Overexpression of Thioredoxin 2. Hypertension, 2009, 54, 338-344.	2.7	128
78	Mitochondrial Thioredoxin-2 Has a Key Role in Determining Tumor Necrosis Factor-Î±â€“Induced Reactive Oxygen Species Generation, NF-ÎºB Activation, and Apoptosis. Toxicological Sciences, 2006, 91, 643-650.	3.1	123
79	Association between novel oxidative stress markers and C-reactive protein among adults without clinical coronary heart disease. Atherosclerosis, 2005, 178, 115-121.	0.8	121
80	Mitochondrial thioredoxin-2/peroxiredoxin-3 system functions in parallel with mitochondrial GSH system in protection against oxidative stress. Archives of Biochemistry and Biophysics, 2007, 465, 119-126.	3.0	120
81	Dieldrin exposure induces oxidative damage in the mouse nigrostriatal dopamine system. Experimental Neurology, 2007, 204, 619-630.	4.1	120
82	Divergent Mechanisms of Paraquat, MPP+, and Rotenone Toxicity: Oxidation of Thioredoxin and Caspase-3 Activation. Toxicological Sciences, 2007, 95, 163-171.	3.1	118
83	Reference Standardization for Quantification and Harmonization of Large-Scale Metabolomics. Analytical Chemistry, 2020, 92, 8836-8844.	6.5	116
84	Novel Biomarker of Oxidative Stress Is Associated With Risk of Death in Patients With Coronary Artery Disease. Circulation, 2016, 133, 361-369.	1.6	115
85	Redox dynamics of manganese as a mitochondrial life-death switch. Biochemical and Biophysical Research Communications, 2017, 482, 388-398.	2.1	115
86	The Role of the Multidrug Resistance Protein-1 in Modulation of Endothelial Cell Oxidative Stress. Circulation Research, 2005, 97, 637-644.	4.5	114
87	Glutathione Oxidation is Associated with Altered Microtubule Function and Disrupted Fertilization in Mature Hamster Oocytes1. Biology of Reproduction, 1997, 57, 1413-1419.	2.7	113
88	Use of high-resolution metabolomics for the identification of metabolic signals associated with traffic-related air pollution. Environment International, 2018, 120, 145-154.	10.0	113
89	Oxidative stress is associated with impaired arterial elasticity. Atherosclerosis, 2011, 218, 90-95.	0.8	111
90	Lipocalin 2 Deficiency Dysregulates Iron Homeostasis and Exacerbates Endotoxin-Induced Sepsis. Journal of Immunology, 2012, 189, 1911-1919.	0.8	111

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91	Perfluoroalkyl substances and severity of nonalcoholic fatty liver in Children: An untargeted metabolomics approach. Environment International, 2020, 134, 105220.	10.0	110
92	Serum Metabolomics of Slow vs. Rapid Motor Progression Parkinsonâ€™s Disease: a Pilot Study. PLoS ONE, 2013, 8, e77629.	2.5	110
93	Oxidative stress predicts cognitive decline with aging in healthy adults: an observational study. Journal of Neuroinflammation, 2018, 15, 17.	7.2	108
94	Effects of age, sex, and genotype on highâ€sensitivity metabolomic profiles in the fruit fly, <scp>D</scp>rosophila melanogaster. Aging Cell, 2014, 13, 596-604.	6.7	107
95	Perfluoroalkyl substances, metabolomic profiling, and alterations in glucose homeostasis among overweight and obese Hispanic children: A proof-of-concept analysis. Environment International, 2019, 126, 445-453.	10.0	105
96	Effects of N-acetyl-l-cysteine on T-cell apoptosis are not mediated by increased cellular glutathione. Immunology Letters, 1995, 45, 205-209.	2.5	102
97	Oxidant-Induced Apoptosis in Human Retinal Pigment Epithelial Cells: Dependence on Extracellular Redox State. , 2005, 46, 1054.		102
98	Metabolic pathways of lung inflammation revealed by high-resolution metabolomics (HRM) of H1N1 influenza virus infection in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R906-R916.	1.8	101
99	Sequencing the exposome: A call to action. Toxicology Reports, 2016, 3, 29-45.	3.3	101
100	Mitochondrial redox signaling during apoptosis. Journal of Bioenergetics and Biomembranes, 1999, 31, 327-334.	2.3	99
101	Oxidation of nuclear thioredoxin during oxidative stress. FEBS Letters, 2003, 543, 144-147.	2.8	99
102	Metabolome-Wide Association Study of Neovascular Age-Related Macular Degeneration. PLoS ONE, 2013, 8, e72737.	2.5	99
103	Low-Dose Cadmium Causes Metabolic and Genetic Dysregulation Associated With Fatty Liver Disease in Mice. Toxicological Sciences, 2015, 147, 524-534.	3.1	97
104	Prohibitin Is a Novel Regulator of Antioxidant Response That Attenuates Colonic Inflammation in Mice. Gastroenterology, 2009, 137, 199-208.e6.	1.3	95
105	A key role for mitochondria in endothelial signaling by plasma cysteine/cystine redox potential. Free Radical Biology and Medicine, 2010, 48, 275-283.	2.9	95
106	DIET ANDAPOPTOSIS. Annual Review of Nutrition, 2000, 20, 485-505.	10.1	94
107	A Network Perspective on Metabolism and Aging. Integrative and Comparative Biology, 2010, 50, 844-854.	2.0	94
108	Integrated Redox Proteomics and Metabolomics of Mitochondria to Identify Mechanisms of Cd Toxicity. Toxicological Sciences, 2014, 139, 59-73.	3.1	94

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109	Oxygen dependence of oxidative stress. Biochemical Pharmacology, 1990, 39, 729-736.	4.4	92
110	Targeting soluble tumor necrosis factor as a potential intervention to lower risk for late-onset Alzheimerâ€™s disease associated with obesity, metabolic syndrome, and type 2 diabetes. Alzheimer's Research and Therapy, 2020, 12, 1.	6.2	91
111	A practical approach to detect unique metabolic patterns for personalized medicine. Analyst, The, 2010, 135, 2864.	3.5	90
112	Children with severe asthma have unique oxidative stressâ€“associated metabolomic profiles. Journal of Allergy and Clinical Immunology, 2014, 133, 258-261.e8.	2.9	90
113	Association between oxidative stress and atrial fibrillation. Heart Rhythm, 2017, 14, 1849-1855.	0.7	90
114	H2O2-dependent Activation of GCLC-ARE4 Reporter Occurs by Mitogen-activated Protein Kinase Pathways without Oxidation of Cellular Glutathione or Thioredoxin-1. Journal of Biological Chemistry, 2004, 279, 5837-5845.	3.4	89
115	Reactive species and mitochondrial dysfunction: Mechanistic significance of 4â€hydroxynonenal. Environmental and Molecular Mutagenesis, 2010, 51, 380-390.	2.2	89
116	High-resolution metabolomics of occupational exposure to trichloroethylene. International Journal of Epidemiology, 2016, 45, 1517-1527.	1.9	87
117	Mitochondrial thioredoxin in regulation of oxidant-induced cell death. FEBS Letters, 2006, 580, 6596-6602.	2.8	86
118	Reactive Aldehyde Modification of Thioredoxin-1 Activates Early Steps of Inflammation and Cell Adhesion. American Journal of Pathology, 2007, 171, 1670-1681.	3.8	86
119	Detection of pro-caspase-3 in cytosol and mitochondria of various tissues. FEBS Letters, 1998, 431, 167-169.	2.8	84
120	Metabolomics of ADSOL (AS-1) Red Blood Cell Storage. Transfusion Medicine Reviews, 2014, 28, 41-55.	2.0	83
121	Correlation of the lung microbiota with metabolic profiles in bronchoalveolar lavage fluid in HIV infection. Microbiome, 2016, 4, 3.	11.1	83
122	Dysregulated lipid and fatty acid metabolism link perfluoroalkyl substances exposure and impaired glucose metabolism in young adults. Environment International, 2020, 145, 106091.	10.0	83
123	Cysteine Redox Potential Determines Pro-Inflammatory IL-1Î² Levels. PLoS ONE, 2009, 4, e5017.	2.5	82
124	High-performance metabolic profiling of plasma from seven mammalian species for simultaneous environmental chemical surveillance and bioeffect monitoring. Toxicology, 2012, 295, 47-55.	4.2	81
125	Hybrid Feature Detection and Information Accumulation Using High-Resolution LCâ€“MS Metabolomics Data. Journal of Proteome Research, 2013, 12, 1419-1427.	3.7	81
126	Selective Targeting of the Cysteine Proteome by Thioredoxin and Glutathione Redox Systems. Molecular and Cellular Proteomics, 2013, 12, 3285-3296.	3.8	81

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127	Selective depletion of mitochondrial glutathione concentrations by (R,S)-3-hydroxy-4-pentenoate potentiates oxidative cell death. Chemical Research in Toxicology, 1993, 6, 75-81.	3.3	80
128	Glutamine Prevents Cytokine-Induced Apoptosis in Human Colonic Epithelial Cells. Journal of Nutrition, 2003, 133, 3065-3071.	2.9	80
129	Glutathione Redox Control of Asthma: From Molecular Mechanisms to Therapeutic Opportunities. Antioxidants and Redox Signaling, 2012, 17, 375-408.	5.4	78
130	Perturbations of the arginine metabolome following exposures to traffic-related air pollution in a panel of commuters with and without asthma. Environment International, 2019, 127, 503-513.	10.0	78
131	Acute hepatic and renal toxicity from low doses of acetaminophen in the absence of alcohol abuse or malnutrition: Evidence for increased susceptibility to drug toxicity due to cardiopulmonary and renal insufficiency. Hepatology, 1994, 19, 1141-1148.	7.3	76
132	Nuclear and cytoplasmic peroxiredoxin-1 differentially regulate NF-Î²B activities. Free Radical Biology and Medicine, 2007, 43, 282-288.	2.9	76
133	Mechanisms of Pathogenesis in Drug Hepatotoxicity Putting the Stress on Mitochondria. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2010, 10, 98-111.	3.4	76
134	Absence of SOD1 leads to oxidative stress in peripheral nerve and causes a progressive distal motor axonopathy. Experimental Neurology, 2012, 233, 163-171.	4.1	76
135	Endothelial Function and Aminothiol Biomarkers of Oxidative Stress in Healthy Adults. Hypertension, 2008, 52, 80-85.	2.7	75
136	Chronic psychological stress and high-fat high-fructose diet disrupt metabolic and inflammatory gene networks in the brain, liver, and gut and promote behavioral deficits in mice. Brain, Behavior, and Immunity, 2017, 59, 158-172.	4.1	74
137	Extracellular cysteine/cystine redox potential controls lung fibroblast proliferation and matrix expression through upregulation of transforming growth factor-Î². American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L972-L981.	2.9	73
138	Oxidation of extracellular cysteine/cystine redox state in bleomycin-induced lung fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 296, L37-L45.	2.9	73
139	Mapping the cysteine proteome: analysis of redox-sensing thiols. Current Opinion in Chemical Biology, 2011, 15, 103-112.	6.1	73
140	Amino Acid Metabolism is Altered in Adolescents with Nonalcoholic Fatty Liver Diseaseâ€”An Untargeted, High Resolution Metabolomics Study. Journal of Pediatrics, 2016, 172, 14-19.e5.	1.8	73
141	The effects of age and dietary restriction on the tissueâ€specific metabolome of <scp>D</scp>rosophila. Aging Cell, 2015, 14, 797-808.	6.7	72
142	Human Suction Blister Fluid Composition Determined Using High-Resolution Metabolomics. Analytical Chemistry, 2018, 90, 3786-3792.	6.5	72
143	Dietary Compounds That Induce Cancer Preventive Phase 2 Enzymes Activate Apoptosis at Comparable Doses in HT29 Colon Carcinoma Cells. Journal of Nutrition, 1999, 129, 1827-1835.	2.9	71
144	Antioxidant Supplements Prevent Oxidation of Cysteine/Cystine Redox in Patients With Age-Related Macular Degeneration. American Journal of Ophthalmology, 2005, 140, 1020-1026.	3.3	70

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145	A rapid LC-FTMS method for the analysis of cysteine, cystine and cysteine/cystine steady-state redox potential in human plasma. Clinica Chimica Acta, 2008, 396, 43-48.	1.1	70
146	Oxidative stress modulates PPARÎ³ in vascular endothelial cells. Free Radical Biology and Medicine, 2010, 48, 1618-1625.	2.9	70
147	Plasma total glutathione in humans and its association with demographic and health-related factors. British Journal of Nutrition, 1993, 70, 797-808.	2.3	68
148	Commensal Propionibacterium strain UF1 mitigates intestinal inflammation via Th17 cell regulation. Journal of Clinical Investigation, 2017, 127, 3970-3986.	8.2	67
149	Per- and polyfluoroalkyl substance (PFAS) exposure, maternal metabolomic perturbation, and fetal growth in African American women: A meet-in-the-middle approach. Environment International, 2022, 158, 106964.	10.0	67
150	Selective protection of nuclear thioredoxin-1 and glutathione redox systems against oxidation during glucose and glutamine deficiency in human colonic epithelial cells. Free Radical Biology and Medicine, 2007, 42, 363-370.	2.9	66
151	Differences in Systemic Oxidative Stress Based on Race and the Metabolic Syndrome: The Morehouse and Emory Team up to Eliminate Health Disparities (META-Health) Study. Metabolic Syndrome and Related Disorders, 2012, 10, 252-259.	1.3	66
152	Depletion of plasma antioxidants in surgical intensive care unit patients requiring parenteral feeding: effects of parenteral nutrition with or without alanyl-glutamine dipeptide supplementation. Nutrition, 2008, 24, 37-44.	2.4	65
153	HIV-1 transgene expression in rats causes oxidant stress and alveolar epithelial barrier dysfunction. AIDS Research and Therapy, 2009, 6, 1.	1.7	65
154	Dietary sulfur amino acid effects on fasting plasma cysteine/cystine redox potential in humans. Nutrition, 2011, 27, 199-205.	2.4	65
155	Arginine and Carnitine Metabolites Are Altered in Diabetic Retinopathy. , 2019, 60, 3119.		65
156	Metabolomic assessment of exposure to near-highway ultrafine particles. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 469-483.	3.9	65
157	Metabolome-Wide Association Study of Primary Open Angle Glaucoma. , 2015, 56, 5020.		63
158	Dietary glutathione intake in humans and the relationship between intake and plasma total glutathione level. Nutrition and Cancer, 1994, 21, 33-46.	2.0	62
159	Selective Oxidative Stress in Cell Nuclei by Nuclear-Targeted D-Amino Acid Oxidase. Antioxidants and Redox Signaling, 2007, 9, 807-816.	5.4	62
160	Vitamin D status is independently associated with plasma glutathione and cysteine thiol/disulphide redox status in adults. Clinical Endocrinology, 2014, 81, 458-466.	2.4	61
161	Cerebrospinal fluid concentrations of N-acetylcysteine after oral administration in Parkinson's disease. Parkinsonism and Related Disorders, 2015, 21, 500-503.	2.2	61
162	Maternal serum metabolome and traffic-related air pollution exposure in pregnancy. Environment International, 2019, 130, 104872.	10.0	60

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163	Efficacy and Safety of Glutamine-supplemented Parenteral Nutrition in Surgical ICU Patients. Annals of Surgery, 2016, 263, 646-655.	4.2	59
164	Integrative metabolomics and transcriptomics signatures of clinical tolerance to Plasmodium vivax reveal activation of innate cell immunity and T cell signaling. Redox Biology, 2018, 17, 158-170.	9.0	59
165	Intracellular O2 gradients in cardiac myocytes. Lack of a role for myoglobin in facilitation of intracellular O2 diffusion. Biochemical and Biophysical Research Communications, 1982, 105, 419-424.	2.1	58
166	Thiol redox disturbances in children with severe asthma areÂassociated with posttranslational modification of the transcription factor nuclear factor (erythroid-derived 2)â€“like 2. Journal of Allergy and Clinical Immunology, 2011, 127, 1604-1611.	2.9	58
167	High-Resolution Metabolomics Assessment of Military Personnel. Journal of Occupational and Environmental Medicine, 2016, 58, S53-S61.	1.7	58
168	Variability in glutathione-dependent detoxication in vivo and its relevance to detoxication of chemical mixtures. Toxicology, 1995, 105, 267-274.	4.2	57
169	The Metabolome: a Key Measure for Exposome Research in Epidemiology. Current Epidemiology Reports, 2019, 6, 93-103.	2.4	57
170	Redox state of glutathione and thioredoxin in differentiation and apoptosis. BioFactors, 2003, 17, 307-314.	5.4	56
171	Maneb and Paraquat-Mediated Neurotoxicity: Involvement of Peroxiredoxin/Thioredoxin System. Toxicological Sciences, 2011, 121, 368-375.	3.1	56
172	Metabolomics of Bronchoalveolar Lavage Differentiate Healthy HIV-1-Infected Subjects from Controls. AIDS Research and Human Retroviruses, 2014, 30, 579-585.	1.1	56
173	Anticancer therapeutic potential of Mn porphyrin/ascorbate system. Free Radical Biology and Medicine, 2015, 89, 1231-1247.	2.9	56
174	The redox regulation of intermediary metabolism by a superoxide-aconitase rheostat. BioEssays, 2004, 26, 894-900.	2.5	55
175	Oxidation of Plasma Cysteine/Cystine Redox State in Endotoxin-Induced Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2009, 40, 90-98.	2.9	55
176	Antioxidant Micronutrients and Biomarkers of Oxidative Stress and Inflammation in Colorectal Adenoma Patients: Results from a Randomized, Controlled Clinical Trial. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 850-858.	2.5	54
177	Oxidative stress contributes to outcome severity in a Drosophila melanogaster model of classic galactosemia. DMM Disease Models and Mechanisms, 2013, 6, 84-94.	2.4	54
178	Redox biology: Interface of the exposome with the proteome, epigenome and genome. Redox Biology, 2014, 2, 358-360.	9.0	54
179	Enhanced Keap1-Nrf2 signaling protects the myocardium from isoproterenol-induced pathological remodeling in mice. Redox Biology, 2019, 27, 101212.	9.0	54
180	Keratinocyte Growth Factor Enhances Glutathione Redox State in Rat Intestinal Mucosa during Nutritional Repletion. Journal of Nutrition, 1999, 129, 1278-1284.	2.9	53

#	Article	IF	Citations
181	Control of extracellular cysteine/cystine redox state by HT-29 cells is independent of cellular glutathione. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1069-R1075.	1.8	53
182	Extracellular cysteine/cystine redox regulates the p44/p42 MAPK pathway by metalloproteinase-dependent epidermal growth factor receptor signaling. American Journal of Physiology - Renal Physiology, 2005, 289, G70-G78.	3.4	52
183	Metabolomics of childhood exposure to perfluoroalkyl substances: a cross-sectional study. Metabolomics, 2019, 15, 95.	3.0	52
184	Drug Metabolism and Toxicity During Hypoxia. Drug Metabolism Reviews, 1989, 20, 247-260.	3.6	51
185	Selenium Supplementation Alters Hepatic Energy and Fatty Acid Metabolism in Mice. Journal of Nutrition, 2018, 148, 675-684.	2.9	51
186	Separation of cytochrome c-dependent caspase activation from thiol-disulfide redox change in cells lacking mitochondrial DNA11This article is dedicated to the memory of the late Professor Lars Ernster.. Free Radical Biology and Medicine, 2000, 29, 334-342.	2.9	50
187	Oxidation of the Glutathione/Glutathione Disulfide Redox State Is Induced by Cysteine Deficiency in Human Colon Carcinoma HT29 Cells. Journal of Nutrition, 2002, 132, 2303-2306.	2.9	50
188	Substitution of Standard Soybean Oil with Olive Oil-Based Lipid Emulsion in Parenteral Nutrition: Comparison of Vascular, Metabolic, and Inflammatory Effects. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 3207-3216.	3.6	50
189	Plasma metabolomics in adults with cystic fibrosis during a pulmonary exacerbation: A pilot randomized study of high-dose vitamin D 3 administration. Metabolism: Clinical and Experimental, 2017, 70, 31-41.	3.4	50
190	Metabolic effects of enteral versus parenteral alanyl-glutamine dipeptide administration in critically ill patients receiving enteral feeding: A pilot study. Clinical Nutrition, 2008, 27, 297-306.	5.0	49
191	Transcriptomeâ€“metabolome wide association study (TMWAS) of maneb and paraquat neurotoxicity reveals network level interactions in toxicologic mechanism. Toxicology Reports, 2014, 1, 435-444.	3.3	48
192	Disturbed flow induces systemic changes in metabolites in mouse plasma: a metabolomics study using ApoE^{â^'/â^'}mice with partial carotid ligation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 308, R62-R72.	1.8	48
193	From the Cover: Manganese Stimulates Mitochondrial H₂O₂Production in SH-SY5Y Human Neuroblastoma Cells Over Physiologic as well as Toxicologic Range. Toxicological Sciences, 2017, 155, 213-223.	3.1	48
194	Rat Jejunum Controls Luminal Thiol-Disulfide Redox. Journal of Nutrition, 2000, 130, 2739-2745.	2.9	47
195	Glutamine and KGF each regulate extracellular thiol/disulfide redox and enhance proliferation in Caco-2 cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R1421-R1429.	1.8	47
196	Actin cytoskeleton redox proteome oxidation by cadmium. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L831-L843.	2.9	47
197	Improving peak detection in high-resolution LC/MS metabolomics data using preexisting knowledge and machine learning approach. Bioinformatics, 2014, 30, 2941-2948.	4.1	47
198	Low-dose cadmium disrupts mitochondrial citric acid cycle and lipid metabolism in mouse lung. Free Radical Biology and Medicine, 2019, 131, 209-217.	2.9	47

#	Article	IF	Citations
199	Metabolomic Analysis Reveals Extended Metabolic Consequences of Marginal Vitamin B-6 Deficiency in Healthy Human Subjects. PLoS ONE, 2013, 8, e63544.	2.5	46
200	Distinct amino acid and lipid perturbations characterize acute versus chronic malaria. JCI Insight, 2019, 4, .	5.0	46
201	Cysteine Starvation Activates the Redox-Dependent Mitochondrial Permeability Transition in Retinal Pigment Epithelial Cells. , 2004, 45, 4183.		45
202	Identification of Thioredoxin-2 as a Regulator of the Mitochondrial Permeability Transition. Toxicological Sciences, 2008, 105, 44-50.	3.1	45
203	Cadmium stimulates myofibroblast differentiation and mouse lung fibrosis. Toxicology, 2017, 383, 50-56.	4.2	45
204	Altered carbohydrate, lipid, and xenobiotic metabolism by liver from rats flown on Cosmos 1887. FASEB Journal, 1990, 4, 95-100.	0.5	44
205	Detailed Mitochondrial Phenotyping by High Resolution Metabolomics. PLoS ONE, 2012, 7, e33020.	2.5	44
206	Increased Nuclear Thioredoxin-1 Potentiates Cadmium-Induced Cytotoxicity. Toxicological Sciences, 2013, 131, 84-94.	3.1	44
207	Uptake of Riboflavin by Isolated Rat Liver Cells. Journal of Nutrition, 1983, 113, 1249-1254.	2.9	44
208	Tryptophan catabolism reflects disease activity in human tuberculosis. JCI Insight, 2020, 5, .	5.0	44
209	Oxidation of myoglobin in isolated adult rat cardiac myocytes by 15-hydroperoxy-5,8,11,13-eicosatetraenoic acid. FEBS Letters, 1983, 163, 292-296.	2.8	43
210	Oxidative Stress Is Associated With Increased Pulmonary Artery Systolic Pressure in Humans. Hypertension, 2014, 63, 1270-1275.	2.7	43
211	High-resolution metabolomics to discover potential parasite-specific biomarkers in a Plasmodium falciparum erythrocytic stage culture system. Malaria Journal, 2015, 14, 122.	2.3	43
212	Redox Systems Biology of Nutrition and Oxidative Stress. Journal of Nutrition, 2019, 149, 553-565.	2.9	43
213	Non-targeted metabolomics and associations with per- and polyfluoroalkyl substances (PFAS) exposure in humans: A scoping review. Environment International, 2022, 162, 107159.	10.0	43
214	Thiol/Disulfide Redox Status Is Oxidized in Plasma and Small Intestinal and Colonic Mucosa of Rats with Inadequate Sulfur Amino Acid Intake. Journal of Nutrition, 2006, 136, 1242-1248.	2.9	42
215	High-resolution plasma metabolomics analysis to detect Mycobacterium tuberculosis-associated metabolites that distinguish active pulmonary tuberculosis in humans. PLoS ONE, 2018, 13, e0205398.	2.5	42
216	Highâ€resolution metabolomic profiling of Alzheimerâ€™s disease in plasma. Annals of Clinical and Translational Neurology, 2020, 7, 36-45.	3.7	42

#	Article	IF	Citations
217	Quantification of Redox Conditions in the Nucleus. Methods in Molecular Biology, 2008, 464, 303-317.	0.9	42
218	Protein Fold Classification with Backbone Torsional Characters Using Multi- Class Linear Discriminant Analysis. Journal of Proteomics and Bioinformatics, 2013, 06, 196-209.	0.4	42
219	Intracellular catalase function: Analysis of the catalatic activity by product formation in isolated liver cells. Archives of Biochemistry and Biophysics, 1982, 214, 806-814.	3.0	41
220	Use of Exogenous Glutathione for Metabolism of Peroxidized Methyl Linoleate in Rat Small Intestine. Journal of Nutrition, 1990, 120, 1115-1121.	2.9	41
221	REGULATION OF GLUTATHIONE REDOX STATUS IN LUNG AND LIVER BY CONDITIONING REGIMENS AND KERATINOCYTE GROWTH FACTOR IN MURINE ALLOGENEIC BONE MARROW TRANSPLANTATION1. Transplantation, 2001, 72, 1354-1362.	1.0	41
222	Myeloperoxidase oxidation of methionine associates with early cystic fibrosis lung disease. European Respiratory Journal, 2018, 52, 1801118.	6.7	41
223	Mitochondrial Metabolomics Using High-Resolution Fourier-Transform Mass Spectrometry. Methods in Molecular Biology, 2014, 1198, 43-73.	0.9	40
224	MetabNet: An R Package for Metabolic Association Analysis of High-Resolution Metabolomics Data. Frontiers in Bioengineering and Biotechnology, 2015, 3, 87.	4.1	40
225	Calcium- and phosphate-dependent release and loading of glutathione by liver mitochondria. Archives of Biochemistry and Biophysics, 1991, 290, 51-56.	3.0	39
226	Effect of Bone Marrow-Derived Mesenchymal Stem Cells on Endotoxin-Induced Oxidation of Plasma Cysteine and Glutathione in Mice. Stem Cells International, 2010, 2010, 1-9.	2.5	39
227	Mitochondrial network responses in oxidative physiology and disease. Free Radical Biology and Medicine, 2018, 116, 31-40.	2.9	39
228	Metabolome-wide association study of phenylalanine in plasma of common marmosets. Amino Acids, 2015, 47, 589-601.	2.7	38
229	Selenium at the redox interface of the genome, metabolome and exposome. Free Radical Biology and Medicine, 2018, 127, 215-227.	2.9	38
230	High-Resolution Metabolomics for Nutrition and Health Assessment of Armed Forces Personnel. Journal of Occupational and Environmental Medicine, 2016, 58, S80-S88.	1.7	37
231	High-resolution metabolomics to identify urine biomarkers in corticosteroid-resistant asthmatic children. Journal of Allergy and Clinical Immunology, 2017, 139, 1518-1524.e4.	2.9	37
232	The Carnitine Shuttle Pathway is Altered in Patients With Neovascular Age-Related Macular Degeneration. , 2018, 59, 4978.		37
233	Particulate metal exposures induce plasma metabolome changes in a commuter panel study. PLoS ONE, 2018, 13, e0203468.	2.5	37
234	The Redox Theory of Development. Antioxidants and Redox Signaling, 2020, 32, 715-740.	5.4	37

#	Article	IF	Citations
235	Reductive stress impairs myogenic differentiation. Redox Biology, 2020, 34, 101492.	9.0	37
236	Application of high-resolution metabolomics to identify biological pathways perturbed by traffic-related air pollution. Environmental Research, 2021, 193, 110506.	7.5	37
237	Metabolomic profiles of plasma, exhaled breath condensate, and saliva are correlated with potential for air toxics detection. Journal of Breath Research, 2018, 12, 016008.	3.0	36
238	Microbial metabolite delta-valerobetaine is a diet-dependent obesogen. Nature Metabolism, 2021, 3, 1694-1705.	11.9	36
239	Alcohol induces mitochondrial redox imbalance in alveolar macrophages. Free Radical Biology and Medicine, 2013, 65, 1427-1434.	2.9	35
240	Periconception air pollution, metabolomic biomarkers, and fertility among women undergoing assisted reproduction. Environment International, 2021, 155, 106666.	10.0	35
241	Plasma acylcarnitine levels increase with healthy aging. Aging, 2020, 12, 13555-13570.	3.1	35
242	Interactions Between Nutrients and Peptide Growth Factors in Intestinal Growth, Repair, and Function. Journal of Parenteral and Enteral Nutrition, 1999, 23, S174-83.	2.6	34
243	Individual variation in macronutrient regulation measured by proton magnetic resonance spectroscopy of human plasma. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R202-R209.	1.8	34
244	The role of plasma aminothiols in the prediction of coronary microvascular dysfunction and plaque vulnerability. Atherosclerosis, 2011, 219, 266-272.	0.8	34
245	Deployment-Associated Exposure Surveillance With High-Resolution Metabolomics. Journal of Occupational and Environmental Medicine, 2016, 58, S12-S21.	1.7	34
246	Mitochondria in precision medicine; linking bioenergetics and metabolomics in platelets. Redox Biology, 2019, 22, 101165.	9.0	34
247	Metabolome-wide association study of anti-epileptic drug treatment during pregnancy. Toxicology and Applied Pharmacology, 2019, 363, 122-130.	2.8	33
248	Pilot Metabolome-Wide Association Study of Benzo(a)pyrene in Serum From Military Personnel. Journal of Occupational and Environmental Medicine, 2016, 58, S44-S52.	1.7	32
249	Plasma Highâ€Resolution Metabolomics Differentiates Adults with Normal Weight Obesity from Lean Individuals. Obesity, 2019, 27, 1729-1737.	3.0	32
250	Increased Inflammatory Signaling and Lethality of Influenza H1N1 by Nuclear Thioredoxin-1. PLoS ONE, 2011, 6, e18918.	2.5	32
251	Protection of retinal pigment epithelial cells from oxidative damage by oltipraz, a cancer chemopreventive agent. Investigative Ophthalmology and Visual Science, 2002, 43, 3550-4.	3.3	32
252	Oxidation of Plasma Cysteine/Cystine and GSH/GSSG Redox Potentials by Acetaminophen and Sulfur Amino Acid Insufficiency in Humans. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 939-947.	2.5	31

#	Article	IF	Citations
253	Biomarkers of oxidative stress study VI. Endogenous plasma antioxidants fail as useful biomarkers of endotoxin-induced oxidative stress. Free Radical Biology and Medicine, 2015, 81, 100-106.	2.9	31
254	Development of a Plasma Screening Panel for Pediatric Nonalcoholic Fatty Liver Disease Using Metabolomics. Hepatology Communications, 2019, 3, 1311-1321.	4.3	31
255	Air Pollution and Adverse Pregnancy and Birth Outcomes: Mediation Analysis Using Metabolomic Profiles. Current Environmental Health Reports, 2020, 7, 231-242.	6.7	31
256	A scalable workflow to characterize the human exposome. Nature Communications, 2021, 12, 5575.	12.8	31
257	Protection against oxidant-induced apoptosis by mitochondrial thioredoxin in SH-SY5Y neuroblastoma cells. Toxicology and Applied Pharmacology, 2006, 216, 256-262.	2.8	30
258	Effects of Long-term Zinc Supplementation on Plasma Thiol Metabolites and Redox Status in Patients With Age-related Macular Degeneration. American Journal of Ophthalmology, 2007, 143, 206-211.e2.	3.3	30
259	Regulation of prostate cancer cell invasion by modulation of extra- and intracellular redox balance. Free Radical Biology and Medicine, 2012, 52, 452-461.	2.9	30
260	Low-dose oral cadmium increases airway reactivity and lung neuronal gene expression in mice. Physiological Reports, 2016, 4, e12821.	1.7	30
261	Metabolome Wide Association Study of Serum Poly and Perfluoroalkyl Substances (PFASs) in Pregnancy and Early Postpartum. Reproductive Toxicology, 2019, 87, 70-78.	2.9	30
262	Resolution of a renal sulfhydryl (glutathione) oxidase from Î³ -glutamyltransferase. FEBS Letters, 1981, 124, 166-168.	2.8	29
263	New double quantum coherence filter for localized detection of glutathione in vivo. Magnetic Resonance in Medicine, 2006, 55, 676-680.	3.0	29
264	Metabolomics in the fight against malaria. Memorias Do Instituto Oswaldo Cruz, 2014, 109, 589-597.	1.6	29
265	Postprandial Cysteine/Cystine Redox Potential in Human Plasma Varies with Meal Content of Sulfur Amino Acids. Journal of Nutrition, 2010, 140, 760-765.	2.9	28
266	Short-term oral atrazine exposure alters the plasma metabolome of male C57BL/6 mice and disrupts Î±-linolenate, tryptophan, tyrosine and other major metabolic pathways. Toxicology, 2014, 326, 130-141.	4.2	28
267	Metabolic Pathways and Networks Associated With Tobacco Use in Military Personnel. Journal of Occupational and Environmental Medicine, 2016, 58, S111-S116.	1.7	28
268	Addressing the batch effect issue for LC/MS metabolomics data in data preprocessing. Scientific Reports, 2020, 10, 13856.	3.3	28
269	Higher Mediterranean Diet Quality Scores and Lower Body Mass Index Are Associated with a Less-Oxidized Plasma Glutathione and Cysteine Redox Status in Adults. Journal of Nutrition, 2018, 148, 245-253.	2.9	27
270	MTORâ€initiated metabolic switch and degeneration in the retinal pigment epithelium. FASEB Journal, 2020, 34, 12502-12520.	0.5	27

#	Article	IF	Citations
271	Reductive Stress Causes Pathological Cardiac Remodeling and Diastolic Dysfunction. Antioxidants and Redox Signaling, 2020, 32, 1293-1312.	5.4	27
272	Thiol-reactivity of the fungicide maneb. Redox Biology, 2014, 2, 651-655.	9.0	26
273	High-Resolution Metabolomics. Biological Research for Nursing, 2016, 18, 12-22.	1.9	26
274	Selenium supplementation prevents metabolic and transcriptomic responses to cadmium in mouse lung. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2417-2426.	2.4	26
275	Understanding mixed environmental exposures using metabolomics via a hierarchical community network model in a cohort of California women in 1960â€™s. Reproductive Toxicology, 2020, 92, 57-65.	2.9	26
276	Purification and properties of the membranal thiol oxidase from porcine kidney. Archives of Biochemistry and Biophysics, 1986, 247, 120-130.	3.0	25
277	Thioredoxin Redox Western Analysis. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2009, 41, Unit17.12.	1.1	25
278	Biomarkers of Oxidative Stress Study IV: Ozone exposure of rats and its effect on antioxidants in plasma and bronchoalveolar lavage fluid. Free Radical Biology and Medicine, 2011, 51, 1636-1642.	2.9	25
279	Manganese-Based Superoxide Dismutase Mimics Modify Both Acute and Long-Term Outcome Severity in aDrosophila melanogasterModel of Classic Galactosemia. Antioxidants and Redox Signaling, 2014, 20, 2361-2371.	5.4	25
280	Metabolome-wide association study of peripheral parasitemia in Plasmodium vivax malaria. International Journal of Medical Microbiology, 2017, 307, 533-541.	3.6	25
281	Metabolome Wide Association Study of serum DDT and DDE in Pregnancy and Early Postpartum. Reproductive Toxicology, 2020, 92, 129-137.	2.9	25
282	Disturbed Flow Enhances Inflammatory Signaling and Atherogenesis by Increasing Thioredoxin-1 Level in Endothelial Cell Nuclei. PLoS ONE, 2014, 9, e108346.	2.5	25
283	Metabolic effects of albumin therapy in acute lung injury measured by proton nuclear magnetic resonance spectroscopy of plasma: A pilot study*. Critical Care Medicine, 2011, 39, 2308-2313.	0.9	24
284	Local false discovery rate estimation using feature reliability in LC/MS metabolomics data. Scientific Reports, 2015, 5, 17221.	3.3	24
285	Gene and Protein Responses of Human Monocytes to Extracellular Cysteine Redox Potential. Toxicological Sciences, 2009, 112, 354-362.	3.1	23
286	Characterization of plasma thiol redox potential in a common marmoset model of aging. Redox Biology, 2013, 1, 387-393.	9.0	23
287	A longitudinal analysis of the effects of age on the blood plasma metabolome in the common marmoset, Callithrix jacchus. Experimental Gerontology, 2016, 76, 17-24.	2.8	23
288	Environmental Cadmium Enhances Lung Injury by Respiratory Syncytial Virus Infection. American Journal of Pathology, 2019, 189, 1513-1525.	3.8	23

#	Article	IF	Citations
289	Introduction to Department of Defense Research on Burn Pits, Biomarkers, and Health Outcomes Related to Deployment in Iraq and Afghanistan. Journal of Occupational and Environmental Medicine, 2016, 58, S3-S11.	1.7	22
290	Metabolic Characterization of the Common Marmoset (Callithrix jacchus). PLoS ONE, 2015, 10, e0142916.	2.5	22
291	Assessment of metabolic perturbations associated with exposure to phthalates among pregnant African American women. Science of the Total Environment, 2022, 818, 151689.	8.0	22
292	Stimulation of glutathione absorption in rat small intestine by Î± â€adrenergic agonists. FASEB Journal, 1991, 5, 2721-2727.	0.5	21
293	Redox Clamp Model for Study of Extracellular Thiols and Disulfides in Redox Signaling. Methods in Enzymology, 2010, 474, 165-179.	1.0	21
294	Population Screening for Biological and Environmental Properties of the Human Metabolic Phenotype. , 2016, , 167-211.		21
295	Plasma metabolomics reveals membrane lipids, aspartate/asparagine and nucleotide metabolism pathway differences associated with chloroquine resistance in Plasmodium vivax malaria. PLoS ONE, 2017, 12, e0182819.	2.5	21
296	Transcriptome Analysis Reveals Distinct Responses to Physiologic versus Toxic Manganese Exposure in Human Neuroblastoma Cells. Frontiers in Genetics, 2019, 10, 676.	2.3	21
297	Proteomic analysis of microbial induced redox-dependent intestinal signaling. Redox Biology, 2019, 20, 526-532.	9.0	21
298	TCA cycle remodeling drives proinflammatory signaling in humans with pulmonary tuberculosis. PLoS Pathogens, 2021, 17, e1009941.	4.7	21
299	Enteral Nutrition and Keratinocyte Growth Factor Regulate Expression of Glutathioneâ€Related Enzyme Messenger RNAs in Rat Intestine. Journal of Parenteral and Enteral Nutrition, 2000, 24, 67-75.	2.6	20
300	Associations of Plasma-Soluble Fas Ligand with Aging and Age-Related Macular Degeneration. , 2008, 49, 1345.		20
301	Phytochelatin database: a resource for phytochelatin complexes of nutritional and environmental metals. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	20
302	High-resolution metabolomics of exposure to tobacco smoke during pregnancy and adverse birth outcomes in the Atlanta African American maternal-child cohort. Environmental Pollution, 2022, 292, 118361.	7.5	20
303	Increased oxidant-induced apoptosis in cultured nondividing human retinal pigment epithelial cells. Investigative Ophthalmology and Visual Science, 2002, 43, 2546-53.	3.3	20
304	Invariance and plasticity in the Drosophila melanogastermetabolomic network in response to temperature. BMC Systems Biology, 2014, 8, 139.	3.0	19
305	Effect of Angiotensin II Type I Receptor Blockade with Valsartan on Carotid Artery Atherosclerosis: A Double Blind Randomized Clinical Trial Comparing Valsartan and Placebo (EFFERVESCENT). American Heart Journal, 2016, 174, 68-79.	2.7	19
306	Pilot randomized controlled trial of a Mediterranean diet or diet supplemented with fish oil, walnuts, and grape juice in overweight or obese US adults. BMC Nutrition, 2018, 4, 26.	1.6	19

#	Article	IF	Citations
307	Response of Beef Cattle Fecal Microbiota to Grazing on Toxic Tall Fescue. Applied and Environmental Microbiology, 2019, 85, .	3.1	19
308	Low-dose cadmium potentiates lung inflammatory response to 2009 pandemic H1N1 influenza virus in mice. Environment International, 2019, 127, 720-729.	10.0	19
309	Omics Integration for Mitochondria Systems Biology. Antioxidants and Redox Signaling, 2020, 32, 853-872.	5.4	19
310	Metabolomic Associations with Serum Bone Turnover Markers. Nutrients, 2020, 12, 3161.	4.1	19
311	Differences in plasma metabolites related to Alzheimer's disease, APOE Îµ4 status, and ethnicity. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2020, 6, e12025.	3.7	19
312	Exposure to Perfluoroalkyl Substances and Glucose Homeostasis in Youth. Environmental Health Perspectives, 2021, 129, 97002.	6.0	19
313	S-nitroso-albumin carries a thiol-labile pool of nitric oxide, which causes venodilation in the rat. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H916-H923.	3.2	18
314	Characterization of apical and basal thiol-disulfide redox regulation in human colonic epithelial cells. American Journal of Physiology - Renal Physiology, 2010, 299, G523-G530.	3.4	18
315	Untargeted metabolomics reveals multiple metabolites influencing smoking-related DNA methylation. Epigenomics, 2018, 10, 379-393.	2.1	18
316	Untargeted high-resolution plasma metabolomic profiling predicts outcomes in patients with coronary artery disease. PLoS ONE, 2020, 15, e0237579.	2.5	18
317	N8â€Acetylspermidine: A Polyamine Biomarker in Ischemic Cardiomyopathy With Reduced Ejection Fraction. Journal of the American Heart Association, 2020, 9, e016055.	3.7	18
318	Large scale enzyme based xenobiotic identification for exposomics. Nature Communications, 2021, 12, 5418.	12.8	18
319	The metabolome: A key measure for exposome research in epidemiology. Current Epidemiology Reports, 2019, 6, 93-103.	2.4	18
320	Heterogeneity of pH in the aqueous cytoplasm of renal proximal tubule cells. FASEB Journal, 1989, 3, 52-58.	0.5	17
321	Dietary Sulfur Amino Acid Supplementation Reduces Small Bowel Thiol/Disulfide Redox State and Stimulates Ileal Mucosal Growth after Massive Small Bowel Resection in Rats. Journal of Nutrition, 2009, 139, 2272-2278.	2.9	17
322	Hepatic Oxidative Stress in Fructose-Induced Fatty Liver Is Not Caused by Sulfur Amino Acid Insufficiency. Nutrients, 2011, 3, 987-1002.	4.1	17
323	Redox Pioneer: Professor Helmut Sies. Antioxidants and Redox Signaling, 2014, 21, 2459-2468.	5.4	17
324	The Exposome: A New Frontier for Education. American Biology Teacher, 2016, 78, 542-548.	0.2	17

#	Article	IF	Citations
325	Putrescine as indicator of manganese neurotoxicity: Dose-response study in human SH-SY5Y cells. Food and Chemical Toxicology, 2018, 116, 272-280.	3.6	17
326	Metabolomic Responses to Manganese Dose in SH-SY5Y Human Neuroblastoma Cells. Toxicological Sciences, 2019, 169, 84-94.	3.1	17
327	Multigenerational metabolic profiling in the Michigan PBB registry. Environmental Research, 2019, 172, 182-193.	7.5	17
328	Neonatal intestinal immune regulation by the commensal bacterium, P. UF1. Mucosal Immunology, 2019, 12, 434-444.	6.0	17
329	Environmental chemical burden in metabolic tissues and systemic biological pathways in adolescent bariatric surgery patients: A pilot untargeted metabolomic approach. Environment International, 2020, 143, 105957.	10.0	17
330	Untargeted Metabolomics Screen of Midâ€pregnancy Maternal Serum and Autism in Offspring. Autism Research, 2020, 13, 1258-1269.	3.8	17
331	Plasma high-resolution metabolomics identifies linoleic acid and linked metabolic pathways associated with bone mineral density. Clinical Nutrition, 2021, 40, 467-475.	5.0	17
332	Differential effects of nebivolol and metoprolol on arterial stiffness, circulating progenitor cells, and oxidative stress. Journal of the American Society of Hypertension, 2015, 9, 206-213.	2.3	16
333	Metabolic Profiles of Obesity in American Indians: The Strong Heart Family Study. PLoS ONE, 2016, 11, e0159548.	2.5	16
334	Metabolomics of fescue toxicosis in grazing beef steers. Food and Chemical Toxicology, 2017, 105, 285-299.	3.6	16
335	Child serum metabolome and traffic-related air pollution exposure in pregnancy. Environmental Research, 2022, 203, 111907.	7.5	16
336	Vanadium pentoxide induced oxidative stress and cellular senescence in human lung fibroblasts. Redox Biology, 2022, 55, 102409.	9.0	16
337	Comparative transcriptomics and metabolomics in a rhesus macaque drug administration study. Frontiers in Cell and Developmental Biology, 2014, 2, 54.	3.7	15
338	Renin-Angiotensin Activation and Oxidative Stress in Early Heart Failure with Preserved Ejection Fraction. BioMed Research International, 2015, 2015, 1-7.	1.9	15
339	Low-level maternal exposure to nicotine associates with significant metabolic perturbations in second-trimester amniotic fluid. Environment International, 2017, 107, 227-234.	10.0	15
340	Regulating colonic dendritic cells by commensal glycosylated large surface layer protein A to sustain gut homeostasis against pathogenic inflammation. Mucosal Immunology, 2020, 13, 34-46.	6.0	15
341	Hepatic fat is a stronger correlate of key clinical and molecular abnormalities than visceral and abdominal subcutaneous fat in youth. BMJ Open Diabetes Research and Care, 2020, 8, e001126.	2.8	15
342	Untargeted metabolomics reveal dysregulations in sugar, methionine, and tyrosine pathways in the prodromal state of AD. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12064.	2.4	15

#	Article	IF	Citations
343	The Effects of Graded Levels of Calorie Restriction: XIII. Global Metabolomics Screen Reveals Graded Changes in Circulating Amino Acids, Vitamins, and Bile Acids in the Plasma of C57BL/6 Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 16-26.	3.6	14
344	Metabolome-wide association study of occupational exposure to benzene. Carcinogenesis, 2021, 42, 1326-1336.	2.8	14
345	High-Resolution Metabolomic Assessment of Pesticide Exposure in Central Valley, California. Chemical Research in Toxicology, 2021, 34, 1337-1347.	3.3	14
346	An atlas of metallome and metabolome interactions and associations with incident diabetes in the Strong Heart Family Study. Environment International, 2021, 157, 106810.	10.0	14
347	The Oxidative Potential of Fine Particulate Matter and Biological Perturbations in Human Plasma and Saliva Metabolome. Environmental Science & Technology, 2022, 56, 7350-7361.	10.0	14
348	Ascorbate deficiency and oxidative stress in the alveolar type II cell. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1997, 273, L782-L788.	2.9	13
349	Macronutrient intake and body composition changes during anti-tuberculosis therapy in adults. Clinical Nutrition, 2016, 35, 205-212.	5.0	13
350	Networks at the nexus of systems biology and the exposome. Current Opinion in Toxicology, 2019, 16, 25-31.	5.0	13
351	AMPK-deficiency forces metformin-challenged cancer cells to switch from carbohydrate metabolism to ketogenesis to support energy metabolism. Oncogene, 2021, 40, 5455-5467.	5.9	13
352	Metabolomics as a Truly Translational Tool for Precision Medicine. International Journal of Toxicology, 2021, 40, 413-426.	1.2	13
353	Plasma Metabolomics of Intermediate and Neovascular Age-Related Macular Degeneration Patients. Cells, 2021, 10, 3141.	4.1	13
354	Gut-derived bacterial toxins impair memory CD4+ T cell mitochondrial function in HIV-1 infection. Journal of Clinical Investigation, 2022, 132, .	8.2	13
355	Apparatus for automatically maintaining cell suspension at low, constant oxygen concentrations: The oxystat. Analytical Biochemistry, 1978, 90, 155-166.	2.4	12
356	Acetaminophen Elimination Half-Life in Humans Is Unaffected by Short-Term Consumption of Sulfur Amino Acid-Free Diet. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 948-953.	2.5	12
357	Distribution of phytochelatins, metal-binding compounds, in plant foods: A survey of commonly consumed fruits, vegetables, grains and legumes. Food Chemistry, 2021, 339, 128051.	8.2	12
358	Cyclic O3 exposure synergizes with aging leading to memory impairment in male APOE Îµ3, but not APOE Îµ4, targeted replacement mice. Neurobiology of Aging, 2019, 81, 9-21.	3.1	11
359	A precision medicine approach to defining the impact of doxorubicin on the bioenergetic-metabolite interactome in human platelets. Redox Biology, 2020, 28, 101311.	9.0	11
360	Discovery of metabolic alterations in the serum of patients infected with Plasmodium spp. by high-resolution metabolomics. Metabolomics, 2020, 16, 9.	3.0	11

#	Article	IF	Citations
361	Toxic tall fescue grazing increases susceptibility of the Angus steer fecal microbiota and plasma/urine metabolome to environmental effects. Scientific Reports, 2020, 10, 2497.	3.3	11
362	Firsthand and Secondhand Exposure Levels of Maltol-Flavored Electronic Nicotine Delivery System Vapors Disrupt Amino Acid Metabolism. Toxicological Sciences, 2021, 182, 70-81.	3.1	11
363	Highâ€Resolution Exposomics and Metabolomics Reveals Specific Associations in Cholestatic Liver Diseases. Hepatology Communications, 2022, 6, 965-979.	4.3	11
364	Stimulation of colonic mucosal growth associated with oxidized redox status in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R1081-R1091.	1.8	10
365	A Sulfur Amino Acidâ€"Free Meal Increases Plasma Lipids in Humans. Journal of Nutrition, 2011, 141, 1424-1431.	2.9	10
366	Nuclear Thioredoxinâ€1 Overexpression Attenuates Alcoholâ€Mediated Nrf2 Signaling and Lung Fibrosis. Alcoholism: Clinical and Experimental Research, 2016, 40, 1846-1856.	2.4	10
367	Metabolic perturbations in classic galactosemia beyond the Leloir pathway: Insights from an untargeted metabolomic study. Journal of Inherited Metabolic Disease, 2019, 42, 254-263.	3.6	10
368	Benzo[a]pyrene Perturbs Mitochondrial and Amino Acid Metabolism in Lung Epithelial Cells and Has Similar Correlations With Metabolic Changes in Human Serum. Journal of Occupational and Environmental Medicine, 2019, 61, S73-S81.	1.7	10
369	Metabolome-wide association study of flavorant vanillin exposure in bronchial epithelial cells reveals disease-related perturbations in metabolism. Environment International, 2021, 147, 106323.	10.0	10
370	Metabolomics analysis of maternal serum exposed to high air pollution during pregnancy and risk of autism spectrum disorder in offspring. Environmental Research, 2021, 196, 110823.	7.5	10
371	Self-similarity in NMR Spectra: An Application in Assessing the Level of Cysteine. Journal of Data Science, 2010, 8, 1-19.	0.9	10
372	Unsupervised dimensionality reduction for exposome research. Current Opinion in Environmental Science and Health, 2020, 15, 32-38.	4.1	10
373	Evaluation of the Use of Saliva Metabolome as a Surrogate of Blood Metabolome in Assessing Internal Exposures to Traffic-Related Air Pollution. Environmental Science & Technology, 2022, 56, 6525-6536.	10.0	10
374	Local Glutathione Redox Status Does Not Regulate Ileal Mucosal Growth after Massive Small Bowel Resection in Rats. Journal of Nutrition, 2007, 137, 320-325.	2.9	9
375	Increased Mitochondrial Thioredoxin 2 Potentiates N-Ethylmaleimide-Induced Cytotoxicity. Chemical Research in Toxicology, 2008, 21, 1205-1210.	3.3	9
376	Determination of thiocyanate in exhaled breath condensate. Free Radical Biology and Medicine, 2018, 126, 334-340.	2.9	9
377	Alterations in immune and renal biomarkers among workers occupationally exposed to low levels of trichloroethylene below current regulatory standards. Occupational and Environmental Medicine, 2019, 76, 376-381.	2.8	9
378	Metabolomics of Aerobic Exercise in Chronic Stroke Survivors: A Pilot Study. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 104453.	1.6	9

#	Article	IF	Citations
379	Tryptophan metabolism is differently regulated between large and small dogs. GeroScience, 2020, 42, 881-896.	4.6	9
380	Oxidative Stress Is Associated With Diastolic Dysfunction in Women With Ischemia With No Obstructive Coronary Artery Disease. Journal of the American Heart Association, 2020, 9, e015602.	3.7	9
381	Self-similarity in NMR Spectra: An Application in Assessing the Level of Cysteine. Journal of Data Science, 2010, 8, 1-19.	0.9	9
382	Plasma concentrations of lipophilic persistent organic pollutants and glucose homeostasis in youth populations. Environmental Research, 2022, 212, 113296.	7.5	9
383	Total Equivalent of Reactive Chemicals in 142 Human Food Items Is Highly Variable Within and Between Major Food Groups. Journal of Nutrition, 2004, 134, 1114-1119.	2.9	8
384	Determination of ebselen-sensitive reactive oxygen metabolites (ebROM) in human serum based upon N,Nâ€²-diethyl-1,4-phenylenediamine oxidation. Clinica Chimica Acta, 2012, 414, 1-6.	1.1	8
385	Redox Equivalents and Mitochondrial Bioenergetics. Methods in Molecular Biology, 2012, 810, 249-280.	0.9	8
386	Metabolic Consequences of Chronic Alcohol Abuse in Non-Smokers: A Pilot Study. PLoS ONE, 2015, 10, e0129570.	2.5	8
387	Exposure Memory and Lung Regeneration. Annals of the American Thoracic Society, 2016, 13, S452-S461.	3.2	8
388	A non-lethal malarial infection results in reduced drug metabolizing enzyme expression and drug clearance in mice. Malaria Journal, 2019, 18, 234.	2.3	8
389	Symptom Science Research in the Era of Big Data: Leveraging Interdisciplinary Resources and Partners to Make It Happen. Journal of Nursing Scholarship, 2019, 51, 4-8.	2.4	8
390	Physical Fitness but Not Diet Quality Distinguishes Lean and Normal Weight Obese Adults. Journal of the Academy of Nutrition and Dietetics, 2020, 120, 1963-1973.e2.	0.8	8
391	Early Pregnancy Serum Metabolite Profiles Associated with Hypertensive Disorders of Pregnancy in African American Women: A Pilot Study. Journal of Pregnancy, 2020, 2020, 1-13.	2.4	8
392	Clinical recovery of Macaca fascicularis infected with Plasmodium knowlesi. Malaria Journal, 2021, 20, 486.	2.3	8
393	Low-Dose Cadmium Potentiates Metabolic Reprogramming Following Early-Life Respiratory Syncytial Virus Infection. Toxicological Sciences, 2022, 188, 62-74.	3.1	8
394	Differential regulation of tissue thiol-disulfide redox status in a murine model of peritonitis. Journal of Inflammation, 2012, 9, 36.	3.4	7
395	Drug-Induced Liver Injury. , 2012, , 417-461.		7
396	A Microfluidic Systems Biology Approach for Live Single-Cell Mitochondrial ROS Imaging. Methods in Enzymology, 2013, 526, 219-230.	1.0	7

#	Article	IF	Citations
397	Age-related alterations of plasma glutathione and oxidation of redox potentials in chimpanzee (Pan) Tj ETQq1 1 0.784314 rgBT /Overlo	3.0	7
398	Advances in Comprehensive Exposure Assessment. Journal of Occupational and Environmental Medicine, 2019, 61, S5-S14.	1.7	7
399	A vision for exposome epidemiology: The pregnancy exposome in relation to breast cancer in the Child Health and Development Studies. Reproductive Toxicology, 2020, 92, 4-10.	2.9	7
400	Reprint of â€œMetabolome Wide Association Study of Serum Poly and Perfluoroalkyl Substances (PFASs) in Pregnancy and Early Postpartumâ€• Reproductive Toxicology, 2020, 92, 120-128.	2.9	7
401	Metabolomic Profiling Demonstrates Postprandial Changes in Fatty Acids and Glycerophospholipids Are Associated with Fasting Inflammation in Guatemalan Adults. Journal of Nutrition, 2021, 151, 2564-2573.	2.9	7
402	Multifractal Analysis for Nutritional Assessment. PLoS ONE, 2013, 8, e69000.	2.5	7
403	Intestinal Redox Status of Major Intracellular Thiols in a Rat Model of Chronic Alcohol Consumption. Journal of Parenteral and Enteral Nutrition, 2009, 33, 662-668.	2.6	6
404	Hydrogen peroxide and central redox theory for aerobic life. Archives of Biochemistry and Biophysics, 2016, 595, 13-18.	3.0	6
405	Analysis of Postdeployment Serum Samples Identifies Potential Biomarkers of Exposure to Burn Pits and Other Environmental Hazards. Journal of Occupational and Environmental Medicine, 2019, 61, S45-S54.	1.7	6
406	Metabolome-Wide Association Study of Deployment to Balad, Iraq or Bagram, Afghanistan. Journal of Occupational and Environmental Medicine, 2019, 61, S25-S34.	1.7	6
407	The metabolome as a biomarker of mortality risk in the common marmoset. American Journal of Primatology, 2019, 81, e22944.	1.7	6
408	Environmental chemicals and metabolic disruption in primary and secondary human parathyroid tumors. Surgery, 2021, 169, 102-108.	1.9	6
409	Genetic or Toxicant-Induced Disruption of Vesicular Monoamine Storage and Global Metabolic Profiling inCaenorhabditis elegans. Toxicological Sciences, 2021, 180, 313-324.	3.1	6
410	Metabolomics and Mycobacterial Disease: Donâ€™t Forget the Bioinformatics. Annals of the American Thoracic Society, 2016, 13, 141-142.	3.2	5
411	Metabolomics Analysis of Aspirin's Effects in Human Colon Tissue and Associations with Adenoma Risk. Cancer Prevention Research, 2020, 13, 863-876.	1.5	5
412	Metabolites and metabolic pathways associated with glucocorticoid resistance in pregnant African-American women. Comprehensive Psychoneuroendocrinology, 2020, 1-2, 100001.	1.7	5
413	Plant food intake is associated with lower cadmium body burden in middle-aged adults. European Journal of Nutrition, 2021, 60, 3365-3374.	3.9	5
414	Metabolomic Profiling After a Meal Shows Greater Changes and Lower Metabolic Flexibility in Cardiometabolic Diseases. Journal of the Endocrine Society, 2020, 4, bvaa127.	0.2	5

#	Article	IF	Citations
415	Integrated molecular response of exposure to traffic-related pollutants in the US trucking industry. Environment International, 2022, 158, 106957.	10.0	5
416	Cross-species metabolomic analysis of tau- and DDT-related toxicity. , 2022, 1, .		5
417	Sulfur amino acid-free diet results in increased glutamate in human midbrain: A pilot magnetic resonance spectroscopic study. Nutrition, 2012, 28, 235-241.	2.4	4
418	Response to Letter Regarding Article â€œNovel Biomarker of Oxidative Stress Is Associated With Risk of Death in Patients With Coronary Artery Diseaseâ€• Circulation, 2016, 133, e667.	1.6	4
419	Redox Equivalents and Mitochondrial Bioenergetics. Methods in Molecular Biology, 2018, 1782, 197-227.	0.9	4
420	Environmental Chemicals Altered in Association With Deployment for High Risk Areas. Journal of Occupational and Environmental Medicine, 2019, 61, S15-S24.	1.7	4
421	Associations of Benzo(ghi)perylene and Heptachlorodibenzo-p-dioxin in Serum of Service Personnel Deployed to Balad, Iraq, and Bagram, Afghanistan Correlates With Perturbed Amino Acid Metabolism in Human Lung Fibroblasts. Journal of Occupational and Environmental Medicine, 2019, 61, S35-S44.	1.7	4
422	Role of heat shock protein and cytokine expression as markers of clinical outcomes with glutamine-supplemented parenteral nutrition in surgical ICU patients. Clinical Nutrition, 2020, 39, 563-573.	5.0	4
423	Lung metabolome of 1,3-butadiene exposed Collaborative Cross mice reflects metabolic phenotype of human lung cancer. Toxicology, 2021, 463, 152987.	4.2	4
424	Metabolic effects of the schizophrenia-associated 3q29 deletion. Translational Psychiatry, 2022, 12, 66.	4.8	4
425	Plasma Metabolomics Analysis of Aspirin Treatment and Risk of Colorectal Adenomas. Cancer Prevention Research, 2022, 15, 521-531.	1.5	4
426	Macronutrient, Energy, and Bile Acid Metabolism Pathways Altered Following a Physiological Meal Challenge, Relative to Fasting, among Guatemalan Adults. Journal of Nutrition, 2020, 150, 2031-2040.	2.9	3
427	Cruciferous vegetables (Brassica oleracea) confer cytoprotective effects in Drosophila intestines. Gut Microbes, 2021, 13, 1-6.	9.8	3
428	Plasma Metabolic Phenotypes of HPV-Associated versus Smoking-Associated Head and Neck Cancer and Patient Survival. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 1858-1866.	2.5	3
429	Infant Metabolome in Relation to Prenatal DHA Supplementation and Maternal Single-Nucleotide Polymorphism rs174602: Secondary Analysis of a Randomized Controlled Trial in Mexico. Journal of Nutrition, 2021, 151, 3339-3349.	2.9	3
430	Acute hepatic and renal toxicity from low doses of acetaminophen in the absence of alcohol abuse or malnutrition: Evidence for increased susceptibility to drug toxicity due to cardiopulmonary and renal insufficiency. Hepatology, 1994, 19, 1141-1148.	7.3	3
431	Multiomics Analysis of Structural Magnetic Resonance Imaging of the Brain and Cerebrospinal Fluid Metabolomics in Cognitively Normal and Impaired Adults. Frontiers in Aging Neuroscience, 2021, 13, 796067.	3.4	3
432	Integrative interactomics applied to bovine fescue toxicosis. Scientific Reports, 2022, 12, 4899.	3.3	3

#	Article	IF	Citations
433	Thiols in Cancer. , 2006, , 307-320.		2
434	Compartmentation of Redox Signaling and Control: Discrimination of Oxidative Stress in Mitochondria, Cytoplasm, Nuclei, and Endoplasmic Reticulum. , 0, , 433-461.		2
435	A biplot correlation range for group-wise metabolite selection in mass spectrometry. BioData Mining, 2019, 12, 4.	4.0	2
436	Plasma highâ€resolution metabolomic phenotyping of lean mass in a United States adult cohort. Journal of Parenteral and Enteral Nutrition, 2021, 45, 1635-1644.	2.6	2
437	Plasma Metabolomics of Common Marmosets (Callithrix jacchus) to Evaluate Diet and Feeding Husbandry. Journal of the American Association for Laboratory Animal Science, 2016, 55, 137-46.	1.2	2
438	BIOMARKERS OF OXIDATIVE STRESS STUDY: ARE PLASMA ANTIOXIDANTS MARKERS OF CC14 POISONING?. , 2001, , 98-105.		0
439	Mitochondrial Thioredoxin: Critical Protection for the Redox Throttle of Life. Annals of the New York Academy of Sciences, 2005, 1055, 221-221.	3.8	0
440	Neurotoxicity of Manufactured Nanoparticles. , 0, , 405-428.		0
441	Incorporating feature reliability in false discovery rateestimation improves statistical power to detect differentially expressed features. , 2014, , .		0
442	Reply. Journal of Allergy and Clinical Immunology, 2014, 133, 1499-1500.	2.9	0
443	Glutathione and Thiols. Oxidative Stress in Applied Basic Research and Clinical Practice, 2015, , 131-147.	0.4	0
444	A Small Molecule Solution to the VexingÂProblem of Restenosis. JACC: Cardiovascular Interventions, 2017, 10, 1317-1319.	2.9	0
445	Mechanisms integrating lifelong exposure and health. , 2020, , 405-426.		0
446	Plasma biochemical signals associated with exposure to PM2.5 in an ethnically diverse aging population with and without dementia. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
447	Exposure to lipophilic chemicals and glucose homeostasis in youth. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
448	Prenatal per- and polyfluoroalkyl substance (PFAS) exposure, metabolomic perturbation, and lower birth weight in African American women: a meet-in-the-middle approach. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
449	Non-targeted metabolomics in evaluating alterations associated with per-fluoroalkyl and polyfluoroalkyl substances (PFAS) exposure in human studies: a scoping review. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
450	The Oxidative Potential of Fine Particulate Matter and Metabolic Perturbations in Plasma and Saliva. ISEE Conference Abstracts, 2021, 2021, .	0.0	0

#	Article	IF	Citations
451	Towards epigenomic and metabolomic profiles of chronic organophosphate exposure in residents of Californiaâ€™ Central Valley. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
452	High-resolution metabolomics of exposure to tobacco smoke during pregnancy and adverse birth outcomes in the Atlanta African American Maternal-Child cohort. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
453	Gestational Perfluorooctanoate Exposure and Childhood Metabolome at Age 8 Years. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
454	Assessment of metabolic perturbations associated with prenatal phthalate exposure among pregnant African American women. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
455	Oxidative Stress and Age-Related Macular Degeneration. , 2002, , 987-998.		0
456	Gut mucosal redox status in a rat model of chronic alcohol consumption. FASEB Journal, 2006, 20, A146.	0.5	0
457	Tissue Distribution and Mitochondrial Localization of Human Thioredoxin 2 (hTrx2) in transgenic mice. FASEB Journal, 2006, 20, LB102.	0.5	0
458	Dietary glutamine increases secretory IgA and may suppress gramâ€negative bacterial translocation in a rat model of short bowel syndrome (SBS). FASEB Journal, 2006, 20, A124.	0.5	0
459	GSH is required to maintain gut intracellular cysteine redox status after intestinal surgery in rats. FASEB Journal, 2006, 20, A146.	0.5	0
460	Depletion of glutathione attenuates response of bone marrow stem cells to stromal cellâ€derived factor â€1Î±. FASEB Journal, 2007, 21, .	0.5	0
461	LCâ€FTMSâ€based metabolomics reveals ageâ€and genderâ€related differences in marmosets. FASEB Journal, 2010, 24, 504.3.	0.5	0
462	Overexpression of thioredoxin 2 does not affect hypoxiaâ€induced right ventricular hypertrophy. FASEB Journal, 2011, 25, 1034.21.	0.5	0
463	Extracellular communication and signaling by thiol/disulfide redox states. FASEB Journal, 2011, 25, 196.1.	0.5	0
464	Environmental Toxicology: Oxidative Stress. , 2013, , 293-318.		0
465	Chronic Reductive Stress Impairs Endoplasmic Reticulum Function and Cause Proteotoxic Cardiac Disease. FASEB Journal, 2019, 33, 532.18.	0.5	0
466	Secreted Proteins, Lipids and Lowâ€Molecularâ€Weight Metabolites as Early Biomarkers of Human Proximal Tubular Cell Exposure to Nephrotoxic Agents. FASEB Journal, 2022, 36, .	0.5	0