

# Young-Mi Go

## List of Publications by Citations

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**Version:** 2024-04-27

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91  
papers

4,949  
citations

35  
h-index

70  
g-index

95  
ext. papers

5,688  
ext. citations

5.8  
avg, IF

6.07  
L-index

#	Paper	IF	Citations
91	Redox compartmentalization in eukaryotic cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2008</b> , 1780, 1273-90	4	456
90	Nonequilibrium thermodynamics of thiol/disulfide redox systems: a perspective on redox systems biology. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 44, 921-37	7.8	443
89	Nuclear and mitochondrial compartmentation of oxidative stress and redox signaling. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2006</b> , 46, 215-34	17.9	330
88	Cysteine/cystine redox signaling in cardiovascular disease. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 50, 495-509	7.8	272
87	The cysteine proteome. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 84, 227-245	7.8	217
86	The redox proteome. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 26512-20	5.4	174
85	Thiol/disulfide redox states in signaling and sensing. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2013</b> , 48, 173-81	8.7	168
84	Redox control systems in the nucleus: mechanisms and functions. <i>Antioxidants and Redox Signaling</i> , <b>2010</b> , 13, 489-509	8.4	149
83	Compartmental oxidation of thiol-disulphide redox couples during epidermal growth factor signalling. <i>Biochemical Journal</i> , <b>2005</b> , 386, 215-9	3.8	141
82	Intracellular proatherogenic events and cell adhesion modulated by extracellular thiol/disulfide redox state. <i>Circulation</i> , <b>2005</b> , 111, 2973-80	16.7	131
81	Computational Metabolomics: A Framework for the Million Metabolome. <i>Chemical Research in Toxicology</i> , <b>2016</b> , 29, 1956-1975	4	130
80	Reference Standardization for Mass Spectrometry and High-resolution Metabolomics Applications to Exposome Research. <i>Toxicological Sciences</i> , <b>2015</b> , 148, 531-43	4.4	123
79	Mitochondrial thioredoxin-2/peroxiredoxin-3 system functions in parallel with mitochondrial GSH system in protection against oxidative stress. <i>Archives of Biochemistry and Biophysics</i> , <b>2007</b> , 465, 119-26	4.1	113
78	Redox theory of aging: implications for health and disease. <i>Clinical Science</i> , <b>2017</b> , 131, 1669-1688	6.5	92
77	A key role for mitochondria in endothelial signaling by plasma cysteine/cystine redox potential. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 48, 275-83	7.8	88
76	Reactive aldehyde modification of thioredoxin-1 activates early steps of inflammation and cell adhesion. <i>American Journal of Pathology</i> , <b>2007</b> , 171, 1670-81	5.8	81
75	H2O2-dependent activation of GCLC-ARE4 reporter occurs by mitogen-activated protein kinase pathways without oxidation of cellular glutathione or thioredoxin-1. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 5837-45	5.4	80

74	xMWAS: a data-driven integration and differential network analysis tool. <i>Bioinformatics</i> , <b>2018</b> , 34, 701-702	77
73	Integrated redox proteomics and metabolomics of mitochondria to identify mechanisms of cd toxicity. <i>Toxicological Sciences</i> , <b>2014</b> , 139, 59-73	4.4 76
72	Redox dynamics of manganese as a mitochondrial life-death switch. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 482, 388-398	3.4 75
71	Low-Dose Cadmium Causes Metabolic and Genetic Dysregulation Associated With Fatty Liver Disease in Mice. <i>Toxicological Sciences</i> , <b>2015</b> , 147, 524-34	4.4 75
70	Mapping the cysteine proteome: analysis of redox-sensing thiols. <i>Current Opinion in Chemical Biology</i> , <b>2011</b> , 15, 103-12	9.7 64
69	Selective targeting of the cysteine proteome by thioredoxin and glutathione redox systems. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 3285-96	7.6 62
68	Metabolic pathways of lung inflammation revealed by high-resolution metabolomics (HRM) of H1N1 influenza virus infection in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2016</b> , 311, R906-R916	3.2 61
67	Selective protection of nuclear thioredoxin-1 and glutathione redox systems against oxidation during glucose and glutamine deficiency in human colonic epithelial cells. <i>Free Radical Biology and Medicine</i> , <b>2007</b> , 42, 363-70	7.8 58
66	Extracellular cysteine/cystine redox regulates the p44/p42 MAPK pathway by metalloproteinase-dependent epidermal growth factor receptor signaling. <i>American Journal of Physiology - Renal Physiology</i> , <b>2005</b> , 289, G70-8	5.1 49
65	Redox biology: interface of the exposome with the proteome, epigenome and genome. <i>Redox Biology</i> , <b>2014</b> , 2, 358-60	11.3 48
64	Anticancer therapeutic potential of Mn porphyrin/ascorbate system. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 89, 1231-47	7.8 48
63	Maneb and paraquat-mediated neurotoxicity: involvement of peroxiredoxin/thioredoxin system. <i>Toxicological Sciences</i> , <b>2011</b> , 121, 368-75	4.4 45
62	Integrative metabolomics and transcriptomics signatures of clinical tolerance to Plasmodium vivax reveal activation of innate cell immunity and T cell signaling. <i>Redox Biology</i> , <b>2018</b> , 17, 158-170	11.3 43
61	Identification of thioredoxin-2 as a regulator of the mitochondrial permeability transition. <i>Toxicological Sciences</i> , <b>2008</b> , 105, 44-50	4.4 43
60	Actin cytoskeleton redox proteome oxidation by cadmium. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2013</b> , 305, L831-43	5.8 38
59	Quantification of redox conditions in the nucleus. <i>Methods in Molecular Biology</i> , <b>2009</b> , 464, 303-17	1.4 38
58	Metabolome-wide association study of phenylalanine in plasma of common marmosets. <i>Amino Acids</i> , <b>2015</b> , 47, 589-601	3.5 36
57	Disturbed flow induces systemic changes in metabolites in mouse plasma: a metabolomics study using ApoE <sup>0/0</sup> mice with partial carotid ligation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2015</b> , 308, R62-72	3.2 35

56	Protein Cysteines Map to Functional Networks According to Steady-state Level of Oxidation. <i>Journal of Proteomics and Bioinformatics</i> , <b>2011</b> , 4, 196-209	2.1	35
55	Mitochondrial metabolomics using high-resolution Fourier-transform mass spectrometry. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1198, 43-73	1.4	34
54	Mitochondrial network responses in oxidative physiology and disease. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 116, 31-40	7.8	31
53	Selenium Supplementation Alters Hepatic Energy and Fatty Acid Metabolism in Mice. <i>Journal of Nutrition</i> , <b>2018</b> , 148, 675-684	4.1	30
52	Deployment-Associated Exposure Surveillance With High-Resolution Metabolomics. <i>Journal of Occupational and Environmental Medicine</i> , <b>2016</b> , 58, S12-21	2	30
51	Increased nuclear thioredoxin-1 potentiates cadmium-induced cytotoxicity. <i>Toxicological Sciences</i> , <b>2013</b> , 131, 84-94	4.4	30
50	From the Cover: Manganese Stimulates Mitochondrial H <sub>2</sub> O <sub>2</sub> Production in SH-SY5Y Human Neuroblastoma Cells Over Physiologic as well as Toxicologic Range. <i>Toxicological Sciences</i> , <b>2017</b> , 155, 213-223	4.4	29
49	Redox Systems Biology of Nutrition and Oxidative Stress. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 553-565	4.1	27
48	Selenium at the redox interface of the genome, metabolome and exposome. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 127, 215-227	7.8	27
47	Low-dose cadmium disrupts mitochondrial citric acid cycle and lipid metabolism in mouse lung. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 131, 209-217	7.8	26
46	Cadmium stimulates myofibroblast differentiation and mouse lung fibrosis. <i>Toxicology</i> , <b>2017</b> , 383, 50-56	4.4	25
45	Increased inflammatory signaling and lethality of influenza H1N1 by nuclear thioredoxin-1. <i>PLoS ONE</i> , <b>2011</b> , 6, e18918	3.7	25
44	Antiatherogenic Effect of Resveratrol Attributed to Decreased Expression of ICAM-1 (Intercellular Adhesion Molecule-1). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 675-684	9.4	25
43	Metabolic Pathways and Networks Associated With Tobacco Use in Military Personnel. <i>Journal of Occupational and Environmental Medicine</i> , <b>2016</b> , 58, S111-6	2	21
42	Gene and protein responses of human monocytes to extracellular cysteine redox potential. <i>Toxicological Sciences</i> , <b>2009</b> , 112, 354-62	4.4	21
41	Disturbed flow enhances inflammatory signaling and atherogenesis by increasing thioredoxin-1 level in endothelial cell nuclei. <i>PLoS ONE</i> , <b>2014</b> , 9, e108346	3.7	21
40	Low-dose oral cadmium increases airway reactivity and lung neuronal gene expression in mice. <i>Physiological Reports</i> , <b>2016</b> , 4, e12821	2.6	21
39	Redox clamp model for study of extracellular thiols and disulfides in redox signaling. <i>Methods in Enzymology</i> , <b>2010</b> , 474, 165-79	1.7	20

38	Thioredoxin redox western analysis. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , <b>2009</b> , Chapter 17, Unit17.12	1	20
37	Metabolic Characterization of the Common Marmoset ( <i>Callithrix jacchus</i> ). <i>PLoS ONE</i> , <b>2015</b> , 10, e0142916,7	3.7	20
36	Myeloperoxidase oxidation of methionine associates with early cystic fibrosis lung disease. <i>European Respiratory Journal</i> , <b>2018</b> , 52,	13.6	20
35	Mitochondria in precision medicine; linking bioenergetics and metabolomics in platelets. <i>Redox Biology</i> , <b>2019</b> , 22, 101165	11.3	19
34	Population Screening for Biological and Environmental Properties of the Human Metabolic Phenotype <b>2016</b> , 167-211		18
33	H(2)S inhibits oscillatory shear stress-induced monocyte binding to endothelial cells via nitric oxide production. <i>Molecules and Cells</i> , <b>2012</b> , 34, 449-55	3.5	14
32	Proteomic analysis of microbial induced redox-dependent intestinal signaling. <i>Redox Biology</i> , <b>2019</b> , 20, 526-532	11.3	14
31	Low-dose cadmium potentiates lung inflammatory response to 2009 pandemic H1N1 influenza virus in mice. <i>Environment International</i> , <b>2019</b> , 127, 720-729	12.9	13
30	Selenium supplementation prevents metabolic and transcriptomic responses to cadmium in mouse lung. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 2417-2426	4	13
29	Hypoxia inhibits expression and function of mitochondrial thioredoxin 2 to promote pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2017</b> , 312, L599-L608	5.8	12
28	Environmental Cadmium Enhances Lung Injury by Respiratory Syncytial Virus Infection. <i>American Journal of Pathology</i> , <b>2019</b> , 189, 1513-1525	5.8	12
27	Phytochelatin database: a resource for phytochelatin complexes of nutritional and environmental metals. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2019</b> , 2019,	5	10
26	Omics Integration for Mitochondria Systems Biology. <i>Antioxidants and Redox Signaling</i> , <b>2020</b> , 32, 853-873,4	8.4	10
25	Putrescine as indicator of manganese neurotoxicity: Dose-response study in human SH-SY5Y cells. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 116, 272-280	4.7	9
24	Nuclear Thioredoxin-1 Overexpression Attenuates Alcohol-Mediated Nrf2 Signaling and Lung Fibrosis. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2016</b> , 40, 1846-56	3.7	9
23	Transcriptome Analysis Reveals Distinct Responses to Physiologic Toxic Manganese Exposure in Human Neuroblastoma Cells. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 676	4.5	9
22	Metabolomic Responses to Manganese Dose in SH-SY5Y Human Neuroblastoma Cells. <i>Toxicological Sciences</i> , <b>2019</b> , 169, 84-94	4.4	7
21	Determination of thiocyanate in exhaled breath condensate. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 126, 334-340	7.8	7

20	Redox equivalents and mitochondrial bioenergetics. <i>Methods in Molecular Biology</i> , <b>2012</b> , 810, 249-80	1.4	7
19	Microbial metabolite delta-valerobetaine is a diet-dependent obesogen.. <i>Nature Metabolism</i> , <b>2021</b> , 3, 1694-1705	14.6	7
18	MTOR-initiated metabolic switch and degeneration in the retinal pigment epithelium. <i>FASEB Journal</i> , <b>2020</b> , 34, 12502-12520	0.9	7
17	Benzo[a]pyrene Perturbs Mitochondrial and Amino Acid Metabolism in Lung Epithelial Cells and Has Similar Correlations With Metabolic Changes in Human Serum. <i>Journal of Occupational and Environmental Medicine</i> , <b>2019</b> , 61 Suppl 12, S73-S81	2	7
16	Exposure Memory and Lung Regeneration. <i>Annals of the American Thoracic Society</i> , <b>2016</b> , 13 Suppl 2, S452-S461	4.7	6
15	Metabolome-Wide Association Study of Deployment to Balad, Iraq or Bagram, Afghanistan. <i>Journal of Occupational and Environmental Medicine</i> , <b>2019</b> , 61 Suppl 12, S25-S34	2	5
14	A precision medicine approach to defining the impact of doxorubicin on the bioenergetic-metabolite interactome in human platelets. <i>Redox Biology</i> , <b>2020</b> , 28, 101311	11.3	5
13	Distribution of phytochelatins, metal-binding compounds, in plant foods: A survey of commonly consumed fruits, vegetables, grains and legumes. <i>Food Chemistry</i> , <b>2021</b> , 339, 128051	8.5	5
12	Metabolome-wide association study of flavorant vanillin exposure in bronchial epithelial cells reveals disease-related perturbations in metabolism. <i>Environment International</i> , <b>2021</b> , 147, 106323	12.9	5
11	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. <i>Journal of Occupational and Environmental Medicine</i> , <b>2019</b> , 61 Suppl 12, S35-S44	2	4
10	Large scale enzyme based xenobiotic identification for exposomics. <i>Nature Communications</i> , <b>2021</b> , 12, 5418	17.4	4
9	Environmental Chemicals Altered in Association With Deployment for High Risk Areas. <i>Journal of Occupational and Environmental Medicine</i> , <b>2019</b> , 61 Suppl 12, S15-S24	2	3
8	Redox Equivalents and Mitochondrial Bioenergetics. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1782, 197-227	1.4	3
7	An atlas of metallome and metabolome interactions and associations with incident diabetes in the Strong Heart Family Study. <i>Environment International</i> , <b>2021</b> , 157, 106810	12.9	3
6	Lung metabolome of 1,3-butadiene exposed Collaborative Cross mice reflects metabolic phenotype of human lung cancer. <i>Toxicology</i> , <b>2021</b> , 463, 152987	4.4	2
5	Central Mitochondrial Signaling Mechanisms in Response to Environmental Agents <b>2018</b> , 639-654		1
4	xMWAS: an R package for data-driven integration and differential network analysis		1
3	Firsthand and Secondhand Exposure Levels of Maltol-Flavored Electronic Nicotine Delivery System Vapors Disrupt Amino Acid Metabolism. <i>Toxicological Sciences</i> , <b>2021</b> , 182, 70-81	4.4	1

- 2 Tissue Distribution and Mitochondrial Localization of Human Thioredoxin 2 (hTrx2) in transgenic mice. *FASEB Journal*, **2006**, 20, LB102 0.9
- 1 Mechanisms integrating lifelong exposure and health **2020**, 405-426