Huawei Zeng

List of Publications by Year in Descending Order

68 papers	2,258 citations	26 h-index	47 g-index
73 ext. papers	2,700 ext. citations	4 avg, IF	5.41 L-index

#	Paper	IF	Citations
68	Dietary Selenium Requirement for the Prevention of Glucose Intolerance and Insulin Resistance in Middle-Aged Mice. *Journal of Nutrition*, **2021**, 151, 1894-1900	4.1	2
67	Adequacy of calcium and vitamin D reduces inflammation, β-catenin signaling, and dysbiotic Parasutterela bacteria in the colon of C57BL/6 mice fed a western-style diet. *Journal of Nutritional Biochemistry*, **2021**, 92, 108613	6.3	3
66	Time-restricted feeding mice a high-fat diet induces a unique lipidomic profile. *Journal of Nutritional Biochemistry*, **2021**, 88, 108531	6.3	3
65	Advanced liver steatosis accompanies an increase in hepatic inflammation, colonic, secondary bile acids and Lactobacillaceae/Lachnospiraceae bacteria in C57BL/6 mice fed a high-fat diet. *Journal of Nutritional Biochemistry*, **2020**, 78, 108336	6.3	20
64	Butyrate Inhibits Deoxycholic-Acid-Resistant Colonic Cell Proliferation via Cell Cycle Arrest and Apoptosis: A Potential Pathway Linking Dietary Fiber to Cancer Prevention. *Molecular Nutrition and Food Research*, **2020**, 64, e1901014	5.9	5
63	Genetic ablation of tumor necrosis factor-alpha attenuates the promoted colonic Wnt signaling in high fat diet-induced obese mice. *Journal of Nutritional Biochemistry*, **2020**, 77, 108302	6.3	3
62	Superior inhibitory efficacy of butyrate over propionate and acetate against human colon cancer cell proliferation via cell cycle arrest and apoptosis: linking dietary fiber to cancer prevention. *Nutrition Research*, **2020**, 83, 63-72	4	16
61	Secondary Bile Acids and Short Chain Fatty Acids in the Colon: A Focus on Colonic Microbiome, Cell Proliferation, Inflammation, and Cancer. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	125
60	Dietary saturated fatty acid type impacts obesity-induced metabolic dysfunction and plasma lipidomic signatures in mice. *Journal of Nutritional Biochemistry*, **2019**, 64, 32-44	6.3	26
59	Fecal fermentation products of common bean-derived fiber inhibit C/EBPα and PPARγ expression and lipid accumulation but stimulate PPARα and UCP2 expression in the adipogenesis of 3T3-L1 cells. *Journal of Nutritional Biochemistry*, **2018**, 60, 9-15	6.3	4
58	Colonic aberrant crypt formation accompanies an increase of opportunistic pathogenic bacteria in C57BL/6 mice fed a high-fat diet. *Journal of Nutritional Biochemistry*, **2018**, 54, 18-27	6.3	26
57	Beneficial and paradoxical roles of selenium at nutritional levels of intake in healthspan and longevity. *Free Radical Biology and Medicine*, **2018**, 127, 3-13	7.8	28
56	A diet containing a high- versus low-daidzein level does not protect against liver steatosis in the obese Zucker rat model. *Food and Function*, **2017**, 8, 1293-1298	6.1	5
55	Opposing impacts on healthspan and longevity by limiting dietary selenium in telomere dysfunctional mice. *Aging Cell*, **2017**, 16, 125-135	9.9	22
54	Butyrate Inhibits Cancerous HCT116 Colon Cell Proliferation but to a Lesser Extent in Noncancerous NCM460 Colon Cells. *Nutrients*, **2017**, 9,	6.7	28
53	High Fat Diet Alters Gut Microbiota and the Expression of Paneth Cell-Antimicrobial Peptides Preceding Changes of Circulating Inflammatory Cytokines. *Mediators of Inflammation*, **2017**, 2017, 9474896	4.3	75
52	Analyses of Selenotranscriptomes and Selenium Concentrations in Response to Dietary Selenium Deficiency and Age Reveal Common and Distinct Patterns by Tissue and Sex in Telomere-Dysfunctional Mice. *Journal of Nutrition*, **2017**, 147, 1858-1866	4.1	24

51	Trifluoroselenomethionine: A New Unnatural Amino Acid. *ChemBioChem*, **2016**, 17, 1738-51	3.8	14
50	Colonic inflammation accompanies an increase of β-catenin signaling and Lachnospiraceae/Streptococcaceae bacteria in the hind gut of high-fat diet-fed mice. *Journal of Nutritional Biochemistry*, **2016**, 35, 30-36	6.3	80
49	Loss of Selenium-Binding Protein 1 Decreases Sensitivity to Clastogens and Intracellular Selenium Content in HeLa Cells. *PLoS ONE*, **2016**, 11, e0158650	3.7	8
48	Colonic Inflammation Accompanies An Increase of β-Catenin Signaling and Lachnospiraceae/Streptococcaceae in the Hind Gut of High-Fat Diet-Fed Mice. *FASEB Journal*, **2016**, 30, 1166.4	0.9	
47	Butyrate Plays Differential Roles in Cellular Signaling in Cancerous HCT116 and Noncancerous NCM460 Colon Cells. *FASEB Journal*, **2016**, 30, 688.9	0.9	
46	The Inhibitory Efficacy of Methylseleninic Acid Against Colon Cancer Xenografts in C57BL/6 Mice. *Nutrition and Cancer*, **2015**, 67, 831-8	2.8	18
45	Short- and Long-Term Soy Diet Versus Casein Protects Liver Steatosis Independent of the Arginine Content. *Journal of Medicinal Food*, **2015**, 18, 1274-80	2.8	11
44	Integrating Multiple Analytical Datasets to Compare Metabolite Profiles of Mouse Colonic-Cecal Contents and Feces. *Metabolites*, **2015**, 5, 489-501	5.6	9
43	Butyrate and deoxycholic acid play common and distinct roles in HCT116 human colon cell proliferation. *Journal of Nutritional Biochemistry*, **2015**, 26, 1022-8	6.3	25
42	Mechanisms linking dietary fiber, gut microbiota and colon cancer prevention. *World Journal of Gastrointestinal Oncology*, **2014**, 6, 41-51	3.4	156
41	Methylseleninic acid sensitizes Notch3-activated OVCA429 ovarian cancer cells to carboplatin. *PLoS ONE*, **2014**, 9, e101664	3.7	5
40	Methylselenol, a selenium metabolite, modulates p53 pathway and inhibits the growth of colon cancer xenografts in Balb/c mice. *Journal of Nutritional Biochemistry*, **2013**, 24, 776-80	6.3	29
39	Fatty liver accompanies an increase in lactobacillus species in the hind gut of C57BL/6 mice fed a high-fat diet. *Journal of Nutrition*, **2013**, 143, 627-31	4.1	62
38	Selenium in bone health: roles in antioxidant protection and cell proliferation. *Nutrients*, **2013**, 5, 97-110	6.7	91
37	Methylselenol, a selenium metabolite, inhibits colon cancer cell growth in vitro and in vivo. *FASEB Journal*, **2013**, 27, 860.13	0.9	
36	Fatty liver accompanies an increase of Lactobacillus acidophilus in the hind gut of C57/BL mice fed a high-fat diet. *FASEB Journal*, **2013**, 27, 1067.4	0.9	0
35	Obesity-related colon cancer: dietary factors and their mechanisms of anticancer action. *Clinical and Experimental Pharmacology and Physiology*, **2012**, 39, 161-7	3	20
34	Effect of dietary selenium and cancer cell xenograft on peripheral T and B lymphocytes in adult nude mice. *Biological Trace Element Research*, **2012**, 146, 230-5	4.5	8

33	Methylselenol, a selenium metabolite, plays common and different roles in cancerous colon HCT116 cell and noncancerous NCM460 colon cell proliferation. *Nutrition and Cancer*, **2012**, 64, 128-35	2.8	27
32	Selenium deficiency decreases antioxidative capacity and is detrimental to bone microarchitecture in mice. *Journal of Nutrition*, **2012**, 142, 1526-31	4.1	50
31	Encapsulation of selenium in chitosan nanoparticles improves selenium availability and protects cells from selenium-induced DNA damage response. *Journal of Nutritional Biochemistry*, **2011**, 22, 1137-42	6.3	43
30	Chemical form of selenium affects its uptake, transport, and glutathione peroxidase activity in the human intestinal Caco-2 cell model. *Biological Trace Element Research*, **2011**, 143, 1209-18	4.5	18
29	Prolonged sulforaphane treatment activates survival signaling in nontumorigenic NCM460 colon cells but apoptotic signaling in tumorigenic HCT116 colon cells. *Nutrition and Cancer*, **2011**, 63, 248-55	2.8	27
28	Dietary selenomethionine increases exon-specific DNA methylation of the p53 gene in rat liver and colon mucosa. *Journal of Nutrition*, **2011**, 141, 1464-8	4.1	40
27	Methylselenol, a selenium metabolite, plays a critical role in inhibiting colon cancer cell growth in vitro and in vivo. *FASEB Journal*, **2011**, 25, 110.4	0.9	1
26	Deoxycholic acid and selenium metabolite methylselenol exert common and distinct effects on cell cycle, apoptosis, and MAP kinase pathway in HCT116 human colon cancer cells. *Nutrition and Cancer* , **2010**, 62, 85-92	2.8	17
25	Effect of chitosan on the induction of DNA damage response by selenium compounds. *FASEB Journal*, **2010**, 24, lb251	0.9	
24	Methylselenol, a selenium metabolite, induces cell cycle arrest in G1 phase and apoptosis via the extracellular-regulated kinase 1/2 pathway and other cancer signaling genes. *Journal of Nutrition*, **2009**, 139, 1613-8	4.1	65
23	High dietary intake of sodium selenite does not affect gene mutation frequency in rat colon and liver. *Biological Trace Element Research*, **2009**, 131, 71-80	4.5	3
22	Selenium as an essential micronutrient: roles in cell cycle and apoptosis. *Molecules*, **2009**, 14, 1263-78	4.8	122
21	Selenium as an anticancer nutrient: roles in cell proliferation and tumor cell invasion. *Journal of Nutritional Biochemistry*, **2008**, 19, 1-7	6.3	313
20	A selenium-deficient Caco-2 cell model for assessing differential incorporation of chemical or food selenium into glutathione peroxidase. *Biological Trace Element Research*, **2008**, 123, 98-108	4.5	20
19	High dietary intake of sodium selenite does not affect gene mutation frequency in rat colon and liver. *FASEB Journal*, **2008**, 22, 146.7	0.9	
18	Selenium is critical for the regulation of tumor suppressor and pro-inflammatory gene expression in human colon Caco-2 cells. *FASEB Journal*, **2008**, 22, 696.2	0.9	
17	Copper deficiency decreases complex IV but not complex I, II, III, or V in the mitochondrial respiratory chain in rat heart. *Journal of Nutrition*, **2007**, 137, 14-8	4.1	27
16	Selenium is critical for cancer-signaling gene expression but not cell proliferation in human colon Caco-2 cells. *BioFactors*, **2007**, 31, 155-64	6.1	10

15	The von Hippel-Lindau (VHL) tumor-suppressor gene is down-regulated in Caco-2 cells incubated in low-selenium (Se) media. *FASEB Journal*, **2007**, 21, A717	0.9	1
14	Copper deficiency increases fibulin-5 (DANCE/EVEC) but decreases cytochrome C oxidase VIb subunit expression in rat heart. *Journal of Inorganic Biochemistry*, **2006**, 100, 186-91	4.2	5
13	The selenium metabolite methylselenol inhibits the migration and invasion potential of HT1080 tumor cells. *Journal of Nutrition*, **2006**, 136, 1528-32	4.1	35
12	Selenium metabolite methylselenol inhibits migration and invasion potential of HT1080 tumor cells. *FASEB Journal*, **2006**, 20, A1011	0.9	
11	New findings on protein expression in copper deficient rat heart using proteomic approaches. *FASEB Journal*, **2006**, 20, A553	0.9	
10	Mechanistic aspects of the interaction between selenium and arsenic. *Journal of Inorganic Biochemistry*, **2005**, 99, 1269-74	4.2	113
9	Prolonged butyrate treatment inhibits the migration and invasion potential of HT1080 tumor cells. *Journal of Nutrition*, **2005**, 135, 291-5	4.1	37
8	Copper may interact with selenite extracellularly in cultured HT-29 cells. *Journal of Nutritional Biochemistry*, **2004**, 15, 179-84	6.3	12
7	Increased type I collagen content and DNA binding activity of a single-stranded, cytosine-rich sequence in the high-salt buffer protein extract of the copper-deficient rat heart. *Journal of Nutritional Biochemistry*, **2004**, 15, 694-9	6.3	5
6	Thioredoxin reductase in human hepatoma cells is transcriptionally regulated by sulforaphane and other electrophiles via an antioxidant response element. *Journal of Nutrition*, **2003**, 133, 2721-7	4.1	95
5	Down-regulation of proliferating cell nuclear antigen gene expression occurs during cell cycle arrest induced by human fecal water in colonic HT-29 cells. *Journal of Nutrition*, **2003**, 133, 2682-7	4.1	18
4	Effect of selenium-enriched broccoli diet on differential gene expression in min mouse liver(1,2). *Journal of Nutritional Biochemistry*, **2003**, 14, 227-31	6.3	32
3	Selenium-enriched broccoli decreases intestinal tumorigenesis in multiple intestinal neoplasia mice. *Journal of Nutrition*, **2002**, 132, 307-9	4.1	66
2	Selenite and selenomethionine promote HL-60 cell cycle progression. *Journal of Nutrition*, **2002**, 132, 674-9	4.1	73
1	Arsenic suppresses necrosis induced by selenite in human leukemia HL-60 cells. *Biological Trace Element Research*, **2001**, 83, 1-15	4.5	31