Huawei Zeng

List of Publications by Year
in descending order

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73 papers	3,090 citations	147566 31 h-index	161609 54 g-index
73 all docs	73 docs citations	73 times ranked	4529 citing authors

#	Article	IF	Citations
1	Selenium as an anticancer nutrient: roles in cell proliferation and tumor cell invasion. Journal of Nutritional Biochemistry, 2008, 19, 1-7.	1.9	366
2	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, 1214.	1.8	270
3	Mechanisms linking dietary fiber, gut microbiota and colon cancer prevention. World Journal of Gastrointestinal Oncology, 2014, 6, 41.	0.8	210
4	Selenium as an Essential Micronutrient: Roles in Cell Cycle and Apoptosis. Molecules, 2009, 14, 1263-1278.	1.7	156
5	Colonic inflammation accompanies an increase of Î²-catenin signaling and Lachnospiraceae/Streptococcaceae bacteria in the hind gut of high-fat diet-fed mice. Journal of Nutritional Biochemistry, 2016, 35, 30-36.	1.9	136
6	Mechanistic aspects of the interaction between selenium and arsenicâ˜†. Journal of Inorganic Biochemistry, 2005, 99, 1269-1274.	1.5	134
7	Selenium in Bone Health: Roles in Antioxidant Protection and Cell Proliferation. Nutrients, 2013, 5, 97-110.	1.7	121
8	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, 1-9.	1.4	116
9	Thioredoxin Reductase in Human Hepatoma Cells Is Transcriptionally Regulated by Sulforaphane and Other Electrophiles via an Antioxidant Response Element. Journal of Nutrition, 2003, 133, 2721-2727.	1.3	108
10	Selenite and Selenomethionine Promote HL-60 Cell Cycle Progression. Journal of Nutrition, 2002, 132, 674-679.	1.3	83
11	Selenium-Enriched Broccoli Decreases Intestinal Tumorigenesis in Multiple Intestinal Neoplasia Mice. Journal of Nutrition, 2002, 132, 307-309.	1.3	80
12	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, 1613-1618.	1.3	77
13	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, 627-631.	1.3	77
14	Selenium Deficiency Decreases Antioxidative Capacity and Is Detrimental to Bone Microarchitecture in Mice. Journal of Nutrition, 2012, 142, 1526-1531.	1.3	73
15	Encapsulation of selenium in chitosan nanoparticles improves selenium availability and protects cells from selenium-induced DNA damage response. Journal of Nutritional Biochemistry, 2011, 22, 1137-1142.	1.9	56
16	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.	1.9	52
17	Prolonged Butyrate Treatment Inhibits the Migration and Invasion Potential of HT1080 Tumor Cells. Journal of Nutrition, 2005, 135, 291-295.	1.3	49
18	Beneficial and paradoxical roles of selenium at nutritional levels of intake in healthspan and longevity. Free Radical Biology and Medicine, 2018, 127, 3-13.	1.3	47

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19	The Selenium Metabolite Methylselenol Inhibits the Migration and Invasion Potential of HT1080 Tumor Cells. Journal of Nutrition, 2006, 136, 1528-1532.	1.3	45
20	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.	1.9	44
21	Dietary Selenomethionine Increases Exon-Specific DNA Methylation of the p53 Gene in Rat Liver and Colon Mucosa,. Journal of Nutrition, 2011, 141, 1464-1468.	1.3	43
22	Butyrate Inhibits Cancerous HCT116 Colon Cell Proliferation but to a Lesser Extent in Noncancerous NCM460 Colon Cells. Nutrients, 2017, 9, 25.	1.7	40
23	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, 776-780.	1.9	38
24	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.	1.3	37
25	Dietary saturated fatty acid type impacts obesity-induced metabolic dysfunction and plasma lipidomic signatures in mice. Journal of Nutritional Biochemistry, 2019, 64, 32-44.	1.9	36
26	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, 14-18.	1.3	35
27	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, 128-135.	0.9	35
28	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.	1.3	35
29	Arsenic Suppresses Necrosis Induced by Selenite in Human Leukemia HL-60 Cells. Biological Trace Element Research, 2001, 83, 01-15.	1.9	34
30	Effect of selenium-enriched broccoli diet on differential gene expression in min mouse liver,. Journal of Nutritional Biochemistry, 2003, 14, 227-231.	1.9	34
31	Prolonged Sulforaphane Treatment Activates Survival Signaling in Nontumorigenic NCM460 Colon Cells but Apoptotic Signaling in Tumorigenic HCT116 Colon Cells. Nutrition and Cancer, 2011, 63, 248-255.	0.9	33
32	Opposing impacts on healthspan and longevity by limiting dietary selenium in telomere dysfunctional mice. Aging Cell, 2017, 16, 125-135.	3.0	30
33	Butyrate and deoxycholic acid play common and distinct roles in HCT116 human colon cell proliferation. Journal of Nutritional Biochemistry, 2015, 26, 1022-1028.	1.9	29
34	Trifluoroselenomethionine: A New Unnatural Amino Acid. ChemBioChem, 2016, 17, 1738-1751.	1.3	27
35	Obesityâ€related colon cancer: Dietary factors and their mechanisms of anticancer action^{â€¡}. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 161-167.	0.9	24
36	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.	1.9	23

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37	The Inhibitory Efficacy of Methylseleninic Acid Against Colon Cancer Xenografts in C57BL/6 Mice. Nutrition and Cancer, 2015, 67, 831-838.	0.9	22
38	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, 1209-1218.	1.9	21
39	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, 2009, 62, 85-92.	0.9	20
40	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, 2682-2687.	1.3	19
41	Short- and Long-Term Soy Diet Versus Casein Protects Liver Steatosis Independent of the Arginine Content. Journal of Medicinal Food, 2015, 18, 1274-1280.	0.8	17
42	Copper may interact with selenite extracellularly in cultured HT-29 cells. Journal of Nutritional Biochemistry, 2004, 15, 179-184.	1.9	14
43	Selenium is critical for cancerâ€signaling gene expression but not cell proliferation in human colon Cacoâ€2 cells. BioFactors, 2007, 31, 155-164.	2.6	12
44	Effect of Dietary Selenium and Cancer Cell Xenograft on Peripheral T and B Lymphocytes in Adult Nude Mice. Biological Trace Element Research, 2012, 146, 230-235.	1.9	12
45	Integrating Multiple Analytical Datasets to Compare Metabolite Profiles of Mouse Colonic-Cecal Contents and Feces. Metabolites, 2015, 5, 489-501.	1.3	12
46	Dietary Selenium Requirement for the Prevention of Glucose Intolerance and Insulin Resistance in Middle-Aged Mice. Journal of Nutrition, 2021, 151, 1894-1900.	1.3	11
47	Loss of Selenium-Binding Protein 1 Decreases Sensitivity to Clastogens and Intracellular Selenium Content in HeLa Cells. PLoS ONE, 2016, 11, e0158650.	1.1	11
48	Fecal fermentation products of common bean-derived fiber inhibit C/EBPÎ± and PPARÎ³ expression and lipid accumulation but stimulate PPARÎ´ and UCP2 expression in the adipogenesis of 3T3-L1 cells. Journal of Nutritional Biochemistry, 2018, 60, 9-15.	1.9	10
49	Butyrate Inhibits Deoxycholicâ€Acidâ€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.	1.5	10
50	Time-restricted feeding mice a high-fat diet induces a unique lipidomic profile. Journal of Nutritional Biochemistry, 2021, 88, 108531.	1.9	10
51	Deoxycholic Acid Modulates Cell-Junction Gene Expression and Increases Intestinal Barrier Dysfunction. Molecules, 2022, 27, 723.	1.7	10
52	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.	1.9	8
53	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.	2.1	7
54	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, 694-699.	1.9	6

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55	Methylseleninic Acid Sensitizes Notch3-Activated OVCA429 Ovarian Cancer Cells to Carboplatin. PLoS ONE, 2014, 9, e101664.	1.1	6
56	Adequacy of calcium and vitamin D reduces inflammation, Î²-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.	1.9	6
57	Copper deficiency increases fibulin-5 (DANCE/EVEC) but decreases cytochrome C oxidase VIb subunit expression in rat heart. Journal of Inorganic Biochemistry, 2006, 100, 186-191.	1.5	5
58	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.	1.9	4
59	Azoxymethane Alters the Plasma Metabolome to a Greater Extent in Mice Fed a High-Fat Diet Compared to an AIN-93 Diet. Metabolites, 2021, 11, 448.	1.3	1
60	The von Hippelâ€Lindau (VHL) tumorâ€suppressor gene is downâ€regulated in Cacoâ€2 cells incubated in lowâ€selenium (Se) media. FASEB Journal, 2007, 21, A717.	0.2	1
61	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.	0.2	1
62	Fatty liver accompanies an increase of Lactobacillus acidophilus in the hind gut of C57/BL mice fed a highâ€fat diet. FASEB Journal, 2013, 27, 1067.4.	0.2	1
63	Selenium metabolite methylselenol inhibits migration and invasion potential of HT1080 tumor cells. FASEB Journal, 2006, 20, A1011.	0.2	0
64	New findings on protein expression in copper deficient rat heart using proteomic approaches. FASEB Journal, 2006, 20, A553.	0.2	0
65	Copper deficiency decreases the protein expression of Complex IV but not Complex I, II, III and V in mitochondrial respiratory chain in rat heart. FASEB Journal, 2007, 21, A722.	0.2	0
66	Chemical forms of selenium affect glutathione peroxidase activity in human Caco€2 cell model. FASEB Journal, 2007, 21, A105.	0.2	0
67	High dietary intake of sodium selenite does not affect gene mutation frequency in rat colon and liver. FASEB Journal, 2008, 22, 146.7.	0.2	0
68	Selenium is critical for the regulation of tumor suppressor and proâ€inflammatory gene expression in human colon Caco€2 cells. FASEB Journal, 2008, 22, 696.2.	0.2	0
69	Effect of chitosan on the induction of DNA damage response by selenium compounds. FASEB Journal, 2010, 24, lb251.	0.2	0
70	Chemical form of selenium affects its uptake and transport in the human intestinal cell model, Caco€2. FASEB Journal, 2011, 25, .	0.2	0
71	Methylselenol, a selenium metabolite, inhibits colon cancer cell growth in vitro and in vivo. FASEB Journal, 2013, 27, 860.13.	0.2	0
72	Colonic Inflammation Accompanies An Increase of Î²â€Catenin Signaling and Lachnospiraceae/Streptococcaceae in the Hind Gut of Highâ€Fat Dietâ€Fed Mice. FASEB Journal, 2016, 30, 1166.4.	0.2	0

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73	Butyrate Plays Differential Roles in Cellular Signaling in Cancerous HCT116 and Noncancerous NCM460 Colon Cells. FASEB Journal, 2016, 30, 688.9.	0.2	0