Anna Patricia Kipp

List of Publications by Citations

60 papers	1,903 citations	25 h-index	42 g-index
63 ext. papers	2,313 ext. citations	6 avg, IF	5.07 L-index

#	Paper	IF	Citations
60	Glutathione peroxidases in different stages of carcinogenesis. *Biochimica Et Biophysica Acta - General Subjects*, **2009**, 1790, 1555-68	4	209
59	Glutathione peroxidase-2 and selenium decreased inflammation and tumors in a mouse model of inflammation-associated carcinogenesis whereas sulforaphane effects differed with selenium supply. *Carcinogenesis*, **2012**, 33, 620-8	4.6	97
58	Loss of GPx2 increases apoptosis, mitosis, and GPx1 expression in the intestine of mice. *Free Radical Biology and Medicine*, **2010**, 49, 1694-702	7.8	94
57	Four selenoproteins, protein biosynthesis, and Wnt signalling are particularly sensitive to limited selenium intake in mouse colon. *Molecular Nutrition and Food Research*, **2009**, 53, 1561-72	5.9	91
56	Importance of propionate for the repression of hepatic lipogenesis and improvement of insulin sensitivity in high-fat diet-induced obesity. *Molecular Nutrition and Food Research*, **2016**, 60, 2611-2621	5.9	82
55	Glutathione Peroxidase 2 Inhibits Cyclooxygenase-2-Mediated Migration and Invasion of HT-29 Adenocarcinoma Cells but Supports Their Growth as Tumors in Nude Mice. *Cancer Research*, **2008**, 68, 9746-53	10.1	71
54	Nrf2 target genes are induced under marginal selenium-deficiency. *Genes and Nutrition*, **2010**, 5, 297-307	4.3	69
53	Mechanisms of Selenium Enrichment and Measurement in Brassicaceous Vegetables, and Their Application to Human Health. *Frontiers in Plant Science*, **2017**, 8, 1365	6.2	62
52	Glucosinolates from pak choi and broccoli induce enzymes and inhibit inflammation and colon cancer differently. *Food and Function*, **2014**, 5, 1073-81	6.1	60
51	Physiological functions of GPx2 and its role in inflammation-triggered carcinogenesis. *Annals of the New York Academy of Sciences*, **2012**, 1259, 19-25	6.5	58
50	The gastrointestinal microbiota affects the selenium status and selenoprotein expression in mice. *Journal of Nutritional Biochemistry*, **2009**, 20, 638-48	6.3	57
49	GPx2 suppression of H2O2 stress links the formation of differentiated tumor mass to metastatic capacity in colorectal cancer. *Cancer Research*, **2014**, 74, 6717-30	10.1	56
48	The yin and yang of nrf2-regulated selenoproteins in carcinogenesis. *International Journal of Cell Biology*, **2012**, 2012, 486147	2.6	50
47	Lutein Activates the Transcription Factor Nrf2 in Human Retinal Pigment Epithelial Cells. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 5944-5952	5.7	47
46	Muscle mitohormesis promotes cellular survival via serine/glycine pathway flux. *FASEB Journal*, **2015**, 29, 1314-28	0.9	47
45	Selenium in the redox regulation of the Nrf2 and the Wnt pathway. *Methods in Enzymology*, **2013**, 527, 65-86	1.7	42
44	Muscle mitochondrial stress adaptation operates independently of endogenous FGF21 action. *Molecular Metabolism*, **2016**, 5, 79-90	8.8	41

43	The selenoproteins GPx2, TrxR2 and TrxR3 are regulated by Wnt signalling in the intestinal epithelium. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 1588-96	4	41
42	Activation of the glutathione peroxidase 2 (GPx2) promoter by beta-catenin. *Biological Chemistry*, **2007**, 388, 1027-33	4.5	41
41	Deletion of glutathione peroxidase-2 inhibits azoxymethane-induced colon cancer development. *PLoS ONE*, **2013**, 8, e72055	3.7	35
40	Selenium increases hepatic DNA methylation and modulates one-carbon metabolism in the liver of mice. *Journal of Nutritional Biochemistry*, **2017**, 48, 112-119	6.3	34
39	Breakdown products of neoglucobrassicin inhibit activation of Nrf2 target genes mediated by myrosinase-derived glucoraphanin hydrolysis products. *Biological Chemistry*, **2010**, 391, 1281-93	4.5	34
38	Selenoprotein W as biomarker for the efficacy of selenium compounds to act as source for selenoprotein biosynthesis. *Methods in Enzymology*, **2013**, 527, 87-112	1.7	29
37	Partial involvement of Nrf2 in skeletal muscle mitohormesis as an adaptive response to mitochondrial uncoupling. *Scientific Reports*, **2018**, 8, 2446	4.9	28
36	Marginal selenium deficiency down-regulates inflammation-related genes in splenic leukocytes of the mouse. *Journal of Nutritional Biochemistry*, **2012**, 23, 1170-7	6.3	27
35	Selenoprotein H controls cell cycle progression and proliferation of human colorectal cancer cells. *Free Radical Biology and Medicine*, **2018**, 127, 98-107	7.8	25
34	Time- and cell-resolved dynamics of redox-sensitive Nrf2, HIF and NF-B activities in 3D spheroids enriched for cancer stem cells. *Redox Biology*, **2017**, 12, 403-409	11.3	23
33	The crux of inept biomarkers for risks and benefits of trace elements. *TrAC - Trends in Analytical Chemistry*, **2018**, 104, 183-190	14.6	23
32	GPx2 Induction Is Mediated Through STAT Transcription Factors During Acute Colitis. *Inflammatory Bowel Diseases*, **2015**, 21, 2078-89	4.5	22
31	Changes of trace element status during aging: results of the EPIC-Potsdam cohort study. *European Journal of Nutrition*, **2020**, 59, 3045-3058	5.2	22
30	Insulin-induced cytokine production in macrophages causes insulin resistance in hepatocytes. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 310, E938-46	6	21
29	Individual effects of different selenocompounds on the hepatic proteome and energy metabolism of mice. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 3323-3334	4	21
28	Differential acute effects of selenomethionine and sodium selenite on the severity of colitis. *Nutrients*, **2015**, 7, 2687-706	6.7	20
27	Distinct and overlapping functions of glutathione peroxidases 1 and 2 in limiting NF-B-driven inflammation through redox-active mechanisms. *Redox Biology*, **2020**, 28, 101388	11.3	20
26	PCR-verified microarray analysis and functional in vitro studies indicate a role of alpha-tocopherol in vesicular transport. *Free Radical Research*, **2007**, 41, 930-42	4	19

25	Crosstalk of Nrf2 with the Trace Elements Selenium, Iron, Zinc, and Copper. *Nutrients*, **2019**, 11,	6.7	17
24	Nrf2 regulates the expression of the peptide transporter PEPT1 in the human colon carcinoma cell line Caco-2. *Biochimica Et Biophysica Acta - General Subjects*, **2014**, 1840, 1747-54	4	17
23	A quick and simple method for the determination of six trace elements in mammalian serum samples using ICP-MS/MS. *Journal of Trace Elements in Medicine and Biology*, **2019**, 54, 221-225	4.1	15
22	Selenium-Dependent Glutathione Peroxidases During Tumor Development. *Advances in Cancer Research*, **2017**, 136, 109-138	5.9	15
21	Hepatic metabolite profiles in mice with a suboptimal selenium status. *Journal of Nutritional Biochemistry*, **2014**, 25, 914-22	6.3	13
20	Selenium in colorectal and differentiated thyroid cancer. *Hormones*, **2020**, 19, 41-46	3.1	12
19	GPx3 dysregulation impacts adipose tissue insulin receptor expression and sensitivity. *JCI Insight*, **2020**, 5,	9.9	11
18	Loss of epithelium-specific GPx2 results in aberrant cell fate decisions during intestinal differentiation. *Oncotarget*, **2018**, 9, 539-552	3.3	9
17	A matter of concern - Trace element dyshomeostasis and genomic stability in neurons. *Redox Biology*, **2021**, 41, 101877	11.3	9
16	Are trace element concentrations suitable biomarkers for the diagnosis of cancer?. *Redox Biology*, **2021**, 42, 101900	11.3	9
15	Functional Biomarkers for the Selenium Status in a Human Nutritional Intervention Study. *Nutrients* , **2020**, 12,	6.7	8
14	alpha-Tocopherol enhances degranulation in RBL-2H3 mast cells. *Molecular Nutrition and Food Research*, **2010**, 54, 652-60	5.9	8
13	Treatment of Caenorhabditis elegans with Small Selenium Species Enhances Antioxidant Defense Systems. *Molecular Nutrition and Food Research*, **2019**, 63, e1801304	5.9	8
12	Aging affects sex- and organ-specific trace element profiles in mice. *Aging*, **2020**, 12, 13762-13790	5.6	6
11	Copper interferes with selenoprotein synthesis and activity. *Redox Biology*, **2020**, 37, 101746	11.3	5
10	N-Acetylcysteine as Modulator of the Essential Trace Elements Copper and Zinc. *Antioxidants*, **2020**, 9,	7.1	5
9	Production and purification of homogenous recombinant human selenoproteins reveals a unique codon skipping event in E. coli and GPX4-specific affinity to bromosulfophthalein. *Redox Biology*, **2021**, 46, 102070	11.3	4
8	Altered protein expression pattern in colon tissue of mice upon supplementation with distinct selenium compounds. *Proteomics*, **2017**, 17, 1600486	4.8	3

List of Publications

7	Glutathione Peroxidase 2, a Selenoprotein Exhibiting a Dual Personality in Preventing and Promoting Cancer **2016**, 451-462		3
6	A Multi-Endpoint Approach to Base Excision Repair Incision Activity Augmented by PARylation and DNA Damage Levels in Mice: Impact of Sex and Age. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
5	The Nutritional Supply of Iodine and Selenium Affects Thyroid Hormone Axis Related Endpoints in Mice. *Nutrients*, **2021**, 13,	6.7	2
4	Effects of a Cumulative, Suboptimal Supply of Multiple Trace Elements in Mice: Trace Element Status, Genomic Stability, Inflammation, and Epigenetics. *Molecular Nutrition and Food Research*, **2020**, 64, e2000325	5.9	1
3	Ageing-associated effects of a long-term dietary modulation of four trace elements in mice. *Redox Biology*, **2021**, 46, 102083	11.3	1
2	Obesity Hinders the Protective Effect of Selenite Supplementation on Insulin Signaling. *Antioxidants*, **2022**, 11, 862	7.1	1
1	Glutathione Peroxidase 2 and Its Role in Cancer **2011**, 271-282		0