

# Anna Patricia Kipp

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Obesity Hinders the Protective Effect of Selenite Supplementation on Insulin Signaling. <i>Antioxidants</i> , <b>2022</b> , 11, 862	7.1	1
59	The Nutritional Supply of Iodine and Selenium Affects Thyroid Hormone Axis Related Endpoints in Mice. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	2
58	A matter of concern - Trace element dyshomeostasis and genomic stability in neurons. <i>Redox Biology</i> , <b>2021</b> , 41, 101877	11.3	9
57	Are trace element concentrations suitable biomarkers for the diagnosis of cancer?. <i>Redox Biology</i> , <b>2021</b> , 42, 101900	11.3	9
56	Ageing-associated effects of a long-term dietary modulation of four trace elements in mice. <i>Redox Biology</i> , <b>2021</b> , 46, 102083	11.3	1
55	Production and purification of homogenous recombinant human selenoproteins reveals a unique codon skipping event in E. coli and GPX4-specific affinity to bromosulphophthalein. <i>Redox Biology</i> , <b>2021</b> , 46, 102070	11.3	4
54	Functional Biomarkers for the Selenium Status in a Human Nutritional Intervention Study. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	8
53	Effects of a Cumulative, Suboptimal Supply of Multiple Trace Elements in Mice: Trace Element Status, Genomic Stability, Inflammation, and Epigenetics. <i>Molecular Nutrition and Food Research</i> , <b>2020</b> , 64, e2000325	5.9	1
52	GPx3 dysregulation impacts adipose tissue insulin receptor expression and sensitivity. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	11
51	Aging affects sex- and organ-specific trace element profiles in mice. <i>Aging</i> , <b>2020</b> , 12, 13762-13790	5.6	6
50	Changes of trace element status during aging: results of the EPIC-Potsdam cohort study. <i>European Journal of Nutrition</i> , <b>2020</b> , 59, 3045-3058	5.2	22
49	Distinct and overlapping functions of glutathione peroxidases 1 and 2 in limiting NF- $\kappa$ B-driven inflammation through redox-active mechanisms. <i>Redox Biology</i> , <b>2020</b> , 28, 101388	11.3	20
48	Copper interferes with selenoprotein synthesis and activity. <i>Redox Biology</i> , <b>2020</b> , 37, 101746	11.3	5
47	N-Acetylcysteine as Modulator of the Essential Trace Elements Copper and Zinc. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	5
46	A Multi-Endpoint Approach to Base Excision Repair Incision Activity Augmented by PARylation and DNA Damage Levels in Mice: Impact of Sex and Age. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
45	Selenium in colorectal and differentiated thyroid cancer. <i>Hormones</i> , <b>2020</b> , 19, 41-46	3.1	12
44	Crosstalk of Nrf2 with the Trace Elements Selenium, Iron, Zinc, and Copper. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	17

43	A quick and simple method for the determination of six trace elements in mammalian serum samples using ICP-MS/MS. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2019</b> , 54, 221-225	4.1	15
42	Treatment of <i>Caenorhabditis elegans</i> with Small Selenium Species Enhances Antioxidant Defense Systems. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1801304	5.9	8
41	Partial involvement of Nrf2 in skeletal muscle mitohormesis as an adaptive response to mitochondrial uncoupling. <i>Scientific Reports</i> , <b>2018</b> , 8, 2446	4.9	28
40	Selenoprotein H controls cell cycle progression and proliferation of human colorectal cancer cells. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 127, 98-107	7.8	25
39	Loss of epithelium-specific GPx2 results in aberrant cell fate decisions during intestinal differentiation. <i>Oncotarget</i> , <b>2018</b> , 9, 539-552	3.3	9
38	The crux of inept biomarkers for risks and benefits of trace elements. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 104, 183-190	14.6	23
37	Altered protein expression pattern in colon tissue of mice upon supplementation with distinct selenium compounds. <i>Proteomics</i> , <b>2017</b> , 17, 1600486	4.8	3
36	Time- and cell-resolved dynamics of redox-sensitive Nrf2, HIF and NF- $\kappa$ B activities in 3D spheroids enriched for cancer stem cells. <i>Redox Biology</i> , <b>2017</b> , 12, 403-409	11.3	23
35	Selenium increases hepatic DNA methylation and modulates one-carbon metabolism in the liver of mice. <i>Journal of Nutritional Biochemistry</i> , <b>2017</b> , 48, 112-119	6.3	34
34	Lutein Activates the Transcription Factor Nrf2 in Human Retinal Pigment Epithelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 5944-5952	5.7	47
33	Individual effects of different selenocompounds on the hepatic proteome and energy metabolism of mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 3323-3334	4	21
32	Selenium-Dependent Glutathione Peroxidases During Tumor Development. <i>Advances in Cancer Research</i> , <b>2017</b> , 136, 109-138	5.9	15
31	Mechanisms of Selenium Enrichment and Measurement in Brassicaceous Vegetables, and Their Application to Human Health. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1365	6.2	62
30	Importance of propionate for the repression of hepatic lipogenesis and improvement of insulin sensitivity in high-fat diet-induced obesity. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 2611-2621	5.9	82
29	Glutathione Peroxidase 2, a Selenoprotein Exhibiting a Dual Personality in Preventing and Promoting Cancer <b>2016</b> , 451-462		3
28	Insulin-induced cytokine production in macrophages causes insulin resistance in hepatocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 310, E938-46	6	21
27	Muscle mitochondrial stress adaptation operates independently of endogenous FGF21 action. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 79-90	8.8	41
26	GPx2 Induction Is Mediated Through STAT Transcription Factors During Acute Colitis. <i>Inflammatory Bowel Diseases</i> , <b>2015</b> , 21, 2078-89	4.5	22

25	Differential acute effects of selenomethionine and sodium selenite on the severity of colitis. <i>Nutrients</i> , <b>2015</b> , 7, 2687-706	6.7	20
24	Muscle mitohormesis promotes cellular survival via serine/glycine pathway flux. <i>FASEB Journal</i> , <b>2015</b> , 29, 1314-28	0.9	47
23	Nrf2 regulates the expression of the peptide transporter PEPT1 in the human colon carcinoma cell line Caco-2. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2014</b> , 1840, 1747-54	4	17
22	Hepatic metabolite profiles in mice with a suboptimal selenium status. <i>Journal of Nutritional Biochemistry</i> , <b>2014</b> , 25, 914-22	6.3	13
21	Glucosinolates from pak choi and broccoli induce enzymes and inhibit inflammation and colon cancer differently. <i>Food and Function</i> , <b>2014</b> , 5, 1073-81	6.1	60
20	GPx2 suppression of H2O2 stress links the formation of differentiated tumor mass to metastatic capacity in colorectal cancer. <i>Cancer Research</i> , <b>2014</b> , 74, 6717-30	10.1	56
19	Selenium in the redox regulation of the Nrf2 and the Wnt pathway. <i>Methods in Enzymology</i> , <b>2013</b> , 527, 65-86	1.7	42
18	Selenoprotein W as biomarker for the efficacy of selenium compounds to act as source for selenoprotein biosynthesis. <i>Methods in Enzymology</i> , <b>2013</b> , 527, 87-112	1.7	29
17	Deletion of glutathione peroxidase-2 inhibits azoxymethane-induced colon cancer development. <i>PLoS ONE</i> , <b>2013</b> , 8, e72055	3.7	35
16	Physiological functions of GPx2 and its role in inflammation-triggered carcinogenesis. <i>Annals of the New York Academy of Sciences</i> , <b>2012</b> , 1259, 19-25	6.5	58
15	The selenoproteins GPx2, TrxR2 and TrxR3 are regulated by Wnt signalling in the intestinal epithelium. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2012</b> , 1820, 1588-96	4	41
14	Marginal selenium deficiency down-regulates inflammation-related genes in splenic leukocytes of the mouse. <i>Journal of Nutritional Biochemistry</i> , <b>2012</b> , 23, 1170-7	6.3	27
13	The yin and yang of nrf2-regulated selenoproteins in carcinogenesis. <i>International Journal of Cell Biology</i> , <b>2012</b> , 2012, 486147	2.6	50
12	Glutathione peroxidase-2 and selenium decreased inflammation and tumors in a mouse model of inflammation-associated carcinogenesis whereas sulforaphane effects differed with selenium supply. <i>Carcinogenesis</i> , <b>2012</b> , 33, 620-8	4.6	97
11	Glutathione Peroxidase 2 and Its Role in Cancer <b>2011</b> , 271-282		0
10	Breakdown products of neoglucobrassicin inhibit activation of Nrf2 target genes mediated by myrosinase-derived glucoraphanin hydrolysis products. <i>Biological Chemistry</i> , <b>2010</b> , 391, 1281-93	4.5	34
9	Nrf2 target genes are induced under marginal selenium-deficiency. <i>Genes and Nutrition</i> , <b>2010</b> , 5, 297-307	4.3	69
8	Loss of GPx2 increases apoptosis, mitosis, and GPx1 expression in the intestine of mice. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 1694-702	7.8	94

7	alpha-Tocopherol enhances degranulation in RBL-2H3 mast cells. <i>Molecular Nutrition and Food Research</i> , <b>2010</b> , 54, 652-60	5.9	8
6	Four selenoproteins, protein biosynthesis, and Wnt signalling are particularly sensitive to limited selenium intake in mouse colon. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53, 1561-72	5.9	91
5	The gastrointestinal microbiota affects the selenium status and selenoprotein expression in mice. <i>Journal of Nutritional Biochemistry</i> , <b>2009</b> , 20, 638-48	6.3	57
4	Glutathione peroxidases in different stages of carcinogenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2009</b> , 1790, 1555-68	4	209
3	Glutathione Peroxidase 2 Inhibits Cyclooxygenase-2-Mediated Migration and Invasion of HT-29 Adenocarcinoma Cells but Supports Their Growth as Tumors in Nude Mice. <i>Cancer Research</i> , <b>2008</b> , 68, 9746-53	10.1	71
2	PCR-verified microarray analysis and functional in vitro studies indicate a role of alpha-tocopherol in vesicular transport. <i>Free Radical Research</i> , <b>2007</b> , 41, 930-42	4	19
1	Activation of the glutathione peroxidase 2 (GPx2) promoter by beta-catenin. <i>Biological Chemistry</i> , <b>2007</b> , 388, 1027-33	4.5	41