Holger Steinbrenner

List of Publications by Year in Descending Order

58 papers	3,444 citations	30 h-index	58 g-index
65 ext. papers	4,002 ext. citations	5.9 avg, IF	5.58 L-index

#	Paper	IF	Citations
58	The role of selenium in type-2 diabetes mellitus and its metabolic comorbidities.. *Redox Biology*, **2022**, 50, 102236	11.3	11
57	A coupled enzyme assay for detection of selenium-binding protein 1 (SELENBP1) methanethiol oxidase (MTO) activity in mature enterocytes. *Redox Biology*, **2021**, 43, 101972	11.3	0
56	Activation of Nrf2 by Electrophiles Is Largely Independent of the Selenium Status of HepG2 Cells. *Antioxidants*, **2021**, 10,	7.1	1
55	Selenite-induced Expression of a Caenorhabditis elegans Pro-aging Factor and Ortholog of Human Selenium-binding Protein 1. *Current Nutraceuticals*, **2020**, 1, 73-79	0.7	1
54	FoxO transcription factors in the control of redox homeostasis and fuel metabolism **2020**, 315-330		2
53	A Caenorhabditis elegans ortholog of human selenium-binding protein 1 is a pro-aging factor protecting against selenite toxicity. *Redox Biology*, **2020**, 28, 101323	11.3	8
52	Selenium-binding protein 1 (SELENBP1) is a marker of mature adipocytes. *Redox Biology*, **2019**, 20, 489-495	11.3	20
51	Differential capability of metabolic substrates to promote hepatocellular lipid accumulation. *European Journal of Nutrition*, **2019**, 58, 3023-3034	5.2	5
50	Nuclear trapping of inactive FOXO1 by the Nrf2 activator diethyl maleate. *Redox Biology*, **2019**, 20, 19-27	11.3	8
49	FOXO1 cysteine-612 mediates stimulatory effects of the coregulators CBP and PGC1 on FOXO1 basal transcriptional activity. *Free Radical Biology and Medicine*, **2018**, 118, 98-107	7.8	6
48	Glutathione Peroxidase 1 as a Modulator of Insulin Production and Signaling **2018**, 81-93		
47	Non-linear impact of glutathione depletion on C. elegans life span and stress resistance. *Redox Biology*, **2017**, 11, 502-515	11.3	40
46	Multifaceted functions of the forkhead box transcription factors FoxO1 and FoxO3 in skin. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 1057-1064	4	23
45	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). *Redox Biology*, **2017**, 13, 94-162	11.3	185
44	Selenium for Prevention and Mitigation of Oxidative Stress-related Diseases in the Gastrointestinal Tract **2017**, 229-242		1
43	Cellular adaptation to xenobiotics: Interplay between xenosensors, reactive oxygen species and FOXO transcription factors. *Redox Biology*, **2017**, 13, 646-654	11.3	79
42	Interplay between the chalcone cardamonin and selenium in the biosynthesis of Nrf2-regulated antioxidant enzymes in intestinal Caco-2 cells. *Free Radical Biology and Medicine*, **2016**, 91, 164-71	7.8	40

41	Selenium Pretreatment for Mitigation of Ischemia/Reperfusion Injury in Cardiovascular Surgery: Influence on Acute Organ Damage and Inflammatory Response. *Inflammation*, **2016**, 39, 1363-76	5.1	17
40	Peroxynitrite: From interception to signaling. *Archives of Biochemistry and Biophysics*, **2016**, 595, 153-60	4.1	34
39	Selenoproteins: Antioxidant selenoenzymes and beyond. *Archives of Biochemistry and Biophysics*, **2016**, 595, 113-9	4.1	153
38	Redox regulation of FoxO transcription factors. *Redox Biology*, **2015**, 6, 51-72	11.3	392
37	Das essenzielle Spurenelement Selen: Selenbedarf in Gesundheit und Krankheit. *Aktuelle Ernahrungsmedizin Klinik Und Praxis*, **2015**, 40, 368-378	0.3	8
36	Dietary selenium in adjuvant therapy of viral and bacterial infections. *Advances in Nutrition*, **2015**, 6, 73-82	8.0	168
35	Selenium and selenoproteins in inflammatory bowel diseases and experimental colitis. *Inflammatory Bowel Diseases*, **2014**, 20, 1110-9	4.5	44
34	Intestinal selenoprotein P in epithelial cells and in plasma cells. *Archives of Biochemistry and Biophysics*, **2014**, 541, 30-6	4.1	12
33	Towards identifying novel anti-Eimeria agents: trace elements, vitamins, and plant-based natural products. *Parasitology Research*, **2014**, 113, 3547-56	2.4	55
32	A cardiopulmonary bypass with deep hypothermic circulatory arrest rat model for the investigation of the systemic inflammation response and induced organ damage. *Journal of Inflammation*, **2014**, 11, 26	6.7	27
31	Upregulation of the thioredoxin-dependent redox system during differentiation of 3T3-L1 cells to adipocytes. *Biological Chemistry*, **2014**, 395, 667-77	4.5	11
30	Interference of selenium and selenoproteins with the insulin-regulated carbohydrate and lipid metabolism. *Free Radical Biology and Medicine*, **2013**, 65, 1538-1547	7.8	94
29	Toward understanding success and failures in the use of selenium for cancer prevention. *Antioxidants and Redox Signaling*, **2013**, 19, 181-91	8.4	60
28	Selenium homeostasis and antioxidant selenoproteins in brain: implications for disorders in the central nervous system. *Archives of Biochemistry and Biophysics*, **2013**, 536, 152-7	4.1	130
27	Localization and regulation of pancreatic selenoprotein P. *Journal of Molecular Endocrinology*, **2013**, 50, 31-42	4.5	29
26	Supranutritional selenium induces alterations in molecular targets related to energy metabolism in skeletal muscle and visceral adipose tissue of pigs. *Journal of Inorganic Biochemistry*, **2012**, 114, 47-54	4.2	67
25	A randomized trial of selenium supplementation and risk of type-2 diabetes, as assessed by plasma adiponectin. *PLoS ONE*, **2012**, 7, e45269	3.7	57
24	Induction of glutathione peroxidase 4 expression during enterocytic cell differentiation. *Journal of Biological Chemistry*, **2011**, 286, 10764-72	5.4	38

23	Delaying of insulin signal transduction in skeletal muscle cells by selenium compounds. *Journal of Inorganic Biochemistry*, **2011**, 105, 812-20	4.2	35
22	High selenium intake and increased diabetes risk: experimental evidence for interplay between selenium and carbohydrate metabolism. *Journal of Clinical Biochemistry and Nutrition*, **2011**, 48, 40-5	3.1	126
21	Proinflammatory cytokines down-regulate intestinal selenoprotein P biosynthesis via NOS2 induction. *Free Radical Biology and Medicine*, **2010**, 49, 777-85	7.8	41
20	Protection against reactive oxygen species by selenoproteins. *Biochimica Et Biophysica Acta - General Subjects*, **2009**, 1790, 1478-85	4	332
19	Attenuation of hepatic expression and secretion of selenoprotein P by metformin. *Biochemical and Biophysical Research Communications*, **2009**, 387, 158-63	3.4	34
18	Stimulation of selenoprotein P promoter activity in hepatoma cells by FoxO1a transcription factor. *Biochemical and Biophysical Research Communications*, **2008**, 365, 316-21	3.4	65
17	Stromal resistance of fibroblasts against oxidative damage: involvement of tumor cell-secreted platelet-derived growth factor (PDGF) and phosphoinositide 3-kinase (PI3K) activation. *Carcinogenesis*, **2008**, 29, 404-10	4.6	11
16	Selenoprotein P expression is controlled through interaction of the coactivator PGC-1alpha with FoxO1a and hepatocyte nuclear factor 4alpha transcription factors. *Hepatology*, **2008**, 48, 1998-2006	11.2	94
15	Post-translational processing of selenoprotein P: implications of glycosylation for its utilisation by target cells. *Biological Chemistry*, **2007**, 388, 1043-51	4.5	18
14	Involvement of selenoprotein P in protection of human astrocytes from oxidative damage. *Free Radical Biology and Medicine*, **2006**, 40, 1513-23	7.8	129
13	Enhancement of tumor invasion depends on transdifferentiation of skin fibroblasts mediated by reactive oxygen species. *Journal of Cell Science*, **2006**, 119, 2727-38	5.3	95
12	Selenoprotein P protects endothelial cells from oxidative damage by stimulation of glutathione peroxidase expression and activity. *Free Radical Research*, **2006**, 40, 936-43	4	89
11	Tumor promoter TPA stimulates MMP-9 secretion from human keratinocytes by activation of superoxide-producing NADPH oxidase. *Free Radical Research*, **2005**, 39, 245-53	4	26
10	Selenium, oxidative stress, and health aspects. *Molecular Aspects of Medicine*, **2005**, 26, 256-67	16.7	202
9	Induction of MMP-10 and MMP-1 in a squamous cell carcinoma cell line by ultraviolet radiation. *Biological Chemistry*, **2004**, 385, 75-86	4.5	28
8	Selenoprotein P protects low-density lipoprotein against oxidation. *Free Radical Research*, **2004**, 38, 123-8	4	83
7	Paracrine effect of TGF-beta1 on downregulation of gap junctional intercellular communication between human dermal fibroblasts. *Biochemical and Biophysical Research Communications*, **2004**, 319, 321-6	3.4	18
6	Thioredoxin secreted upon ultraviolet A irradiation modulates activities of matrix metalloproteinase-2 and tissue inhibitor of metalloproteinase-2 in human dermal fibroblasts. *Archives of Biochemistry and Biophysics*, **2004**, 423, 218-26	4.1	44

5	UVA-mediated downregulation of MMP-2 and MMP-9 in human epidermal keratinocytes. *Biochemical and Biophysical Research Communications*, **2003**, 308, 486-91	3.4	48
4	Modulation of homologous gap junctional intercellular communication of human dermal fibroblasts via a paracrine factor(s) generated by squamous tumor cells. *Carcinogenesis*, **2003**, 24, 1737-48	4.6	16
3	Effect of proinflammatory cytokines on gene expression of the diabetes-associated autoantigen IA-2 in INS-1 cells. *Endocrinology*, **2002**, 143, 3839-45	4.8	18
2	Different regulated expression of the tyrosine phosphatase-like proteins IA-2 and phogrin by glucose and insulin in pancreatic islets: relationship to development of insulin secretory responses in early life. *Diabetes*, **2002**, 51, 2982-8	0.9	28
1	Direct Binding of Thyrotropin Receptor Autoantibody to In Vitro Translated Thyrotropin Receptor: A Comparison to Radioreceptor Assay and Thyroid Stimulating Bioassay. *Thyroid*, **1999**, 9, 467-475	6.2	21