

Holger Steinbrenner

List of Publications by Citations

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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.

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	Redox regulation of FoxO transcription factors. <i>Redox Biology</i> , 2015 , 6, 51-72	11.3	392
57	Protection against reactive oxygen species by selenoproteins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009 , 1790, 1478-85	4	332
56	Selenium, oxidative stress, and health aspects. <i>Molecular Aspects of Medicine</i> , 2005 , 26, 256-67	16.7	202
55	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017 , 13, 94-162	11.3	185
54	Dietary selenium in adjuvant therapy of viral and bacterial infections. <i>Advances in Nutrition</i> , 2015 , 6, 73-82	8.0	168
53	Selenoproteins: Antioxidant selenoenzymes and beyond. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 595, 113-9	4.1	153
52	Selenium homeostasis and antioxidant selenoproteins in brain: implications for disorders in the central nervous system. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 536, 152-7	4.1	130
51	Involvement of selenoprotein P in protection of human astrocytes from oxidative damage. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 1513-23	7.8	129
50	High selenium intake and increased diabetes risk: experimental evidence for interplay between selenium and carbohydrate metabolism. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2011 , 48, 40-5	3.1	126
49	Enhancement of tumor invasion depends on transdifferentiation of skin fibroblasts mediated by reactive oxygen species. <i>Journal of Cell Science</i> , 2006 , 119, 2727-38	5.3	95
48	Interference of selenium and selenoproteins with the insulin-regulated carbohydrate and lipid metabolism. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 1538-1547	7.8	94
47	Selenoprotein P expression is controlled through interaction of the coactivator PGC-1alpha with FoxO1a and hepatocyte nuclear factor 4alpha transcription factors. <i>Hepatology</i> , 2008 , 48, 1998-2006	11.2	94
46	Selenoprotein P protects endothelial cells from oxidative damage by stimulation of glutathione peroxidase expression and activity. <i>Free Radical Research</i> , 2006 , 40, 936-43	4	89
45	Selenoprotein P protects low-density lipoprotein against oxidation. <i>Free Radical Research</i> , 2004 , 38, 123-8	3.8	83
44	Cellular adaptation to xenobiotics: Interplay between xenosensors, reactive oxygen species and FOXO transcription factors. <i>Redox Biology</i> , 2017 , 13, 646-654	11.3	79
43	Supranutritional selenium induces alterations in molecular targets related to energy metabolism in skeletal muscle and visceral adipose tissue of pigs. <i>Journal of Inorganic Biochemistry</i> , 2012 , 114, 47-54	4.2	67
42	Stimulation of selenoprotein P promoter activity in hepatoma cells by FoxO1a transcription factor. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 365, 316-21	3.4	65

41	Toward understanding success and failures in the use of selenium for cancer prevention. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 181-91	8.4	60
40	A randomized trial of selenium supplementation and risk of type-2 diabetes, as assessed by plasma adiponectin. <i>PLoS ONE</i> , 2012 , 7, e45269	3.7	57
39	Towards identifying novel anti-Eimeria agents: trace elements, vitamins, and plant-based natural products. <i>Parasitology Research</i> , 2014 , 113, 3547-56	2.4	55
38	UVA-mediated downregulation of MMP-2 and MMP-9 in human epidermal keratinocytes. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 308, 486-91	3.4	48
37	Selenium and selenoproteins in inflammatory bowel diseases and experimental colitis. <i>Inflammatory Bowel Diseases</i> , 2014 , 20, 1110-9	4.5	44
36	Thioredoxin secreted upon ultraviolet A irradiation modulates activities of matrix metalloproteinase-2 and tissue inhibitor of metalloproteinase-2 in human dermal fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 423, 218-26	4.1	44
35	Proinflammatory cytokines down-regulate intestinal selenoprotein P biosynthesis via NOS2 induction. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 777-85	7.8	41
34	Non-linear impact of glutathione depletion on <i>C. elegans</i> life span and stress resistance. <i>Redox Biology</i> , 2017 , 11, 502-515	11.3	40
33	Interplay between the chalcone cardamonin and selenium in the biosynthesis of Nrf2-regulated antioxidant enzymes in intestinal Caco-2 cells. <i>Free Radical Biology and Medicine</i> , 2016 , 91, 164-71	7.8	40
32	Induction of glutathione peroxidase 4 expression during enterocytic cell differentiation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 10764-72	5.4	38
31	Delaying of insulin signal transduction in skeletal muscle cells by selenium compounds. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 812-20	4.2	35
30	Attenuation of hepatic expression and secretion of selenoprotein P by metformin. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 387, 158-63	3.4	34
29	Peroxynitrite: From interception to signaling. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 595, 153-60	4.1	34
28	Localization and regulation of pancreatic selenoprotein P. <i>Journal of Molecular Endocrinology</i> , 2013 , 50, 31-42	4.5	29
27	Induction of MMP-10 and MMP-1 in a squamous cell carcinoma cell line by ultraviolet radiation. <i>Biological Chemistry</i> , 2004 , 385, 75-86	4.5	28
26	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. <i>Diabetes</i> , 2002 , 51, 2982-8	0.9	28
25	A cardiopulmonary bypass with deep hypothermic circulatory arrest rat model for the investigation of the systemic inflammation response and induced organ damage. <i>Journal of Inflammation</i> , 2014 , 11, 26	6.7	27
24	Tumor promoter TPA stimulates MMP-9 secretion from human keratinocytes by activation of superoxide-producing NADPH oxidase. <i>Free Radical Research</i> , 2005 , 39, 245-53	4	26

23	Multifaceted functions of the forkhead box transcription factors FoxO1 and FoxO3 in skin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 1057-1064	4	23
22	Direct Binding of Thyrotropin Receptor Autoantibody to In Vitro Translated Thyrotropin Receptor: A Comparison to Radioreceptor Assay and Thyroid Stimulating Bioassay. <i>Thyroid</i> , 1999 , 9, 467-475	6.2	21
21	Selenium-binding protein 1 (SELENBP1) is a marker of mature adipocytes. <i>Redox Biology</i> , 2019 , 20, 489-495	4.3	20
20	Post-translational processing of selenoprotein P: implications of glycosylation for its utilisation by target cells. <i>Biological Chemistry</i> , 2007 , 388, 1043-51	4.5	18
19	Paracrine effect of TGF-beta1 on downregulation of gap junctional intercellular communication between human dermal fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 319, 321-6	3.4	18
18	Effect of proinflammatory cytokines on gene expression of the diabetes-associated autoantigen IA-2 in INS-1 cells. <i>Endocrinology</i> , 2002 , 143, 3839-45	4.8	18
17	Selenium Pretreatment for Mitigation of Ischemia/Reperfusion Injury in Cardiovascular Surgery: Influence on Acute Organ Damage and Inflammatory Response. <i>Inflammation</i> , 2016 , 39, 1363-76	5.1	17
16	Modulation of homologous gap junctional intercellular communication of human dermal fibroblasts via a paracrine factor(s) generated by squamous tumor cells. <i>Carcinogenesis</i> , 2003 , 24, 1737-48	4.6	16
15	Intestinal selenoprotein P in epithelial cells and in plasma cells. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 541, 30-6	4.1	12
14	Upregulation of the thioredoxin-dependent redox system during differentiation of 3T3-L1 cells to adipocytes. <i>Biological Chemistry</i> , 2014 , 395, 667-77	4.5	11
13	Stromal resistance of fibroblasts against oxidative damage: involvement of tumor cell-secreted platelet-derived growth factor (PDGF) and phosphoinositide 3-kinase (PI3K) activation. <i>Carcinogenesis</i> , 2008 , 29, 404-10	4.6	11
12	The role of selenium in type-2 diabetes mellitus and its metabolic comorbidities.. <i>Redox Biology</i> , 2022 , 50, 102236	11.3	11
11	Das essenzielle Spurenelement Selen: Selenbedarf in Gesundheit und Krankheit. <i>Aktuelle Ernährungsmedizin Klinik Und Praxis</i> , 2015 , 40, 368-378	0.3	8
10	Nuclear trapping of inactive FOXO1 by the Nrf2 activator diethyl maleate. <i>Redox Biology</i> , 2019 , 20, 19-27	11.3	8
9	A Caenorhabditis elegans ortholog of human selenium-binding protein 1 is a pro-aging factor protecting against selenite toxicity. <i>Redox Biology</i> , 2020 , 28, 101323	11.3	8
8	FOXO1 cysteine-612 mediates stimulatory effects of the coregulators CBP and PGC1β on FOXO1 basal transcriptional activity. <i>Free Radical Biology and Medicine</i> , 2018 , 118, 98-107	7.8	6
7	Differential capability of metabolic substrates to promote hepatocellular lipid accumulation. <i>European Journal of Nutrition</i> , 2019 , 58, 3023-3034	5.2	5
6	FoxO transcription factors in the control of redox homeostasis and fuel metabolism 2020 , 315-330		2

5	Selenium for Prevention and Mitigation of Oxidative Stress-related Diseases in the Gastrointestinal Tract 2017 , 229-242		1
4	Selenite-induced Expression of a <i>Caenorhabditis elegans</i> Pro-aging Factor and Ortholog of Human Selenium-binding Protein 1. <i>Current Nutraceuticals</i> , 2020 , 1, 73-79	0.7	1
3	Activation of Nrf2 by Electrophiles Is Largely Independent of the Selenium Status of HepG2 Cells. <i>Antioxidants</i> , 2021 , 10,	7.1	1
2	A coupled enzyme assay for detection of selenium-binding protein 1 (SELENBP1) methanethiol oxidase (MTO) activity in mature enterocytes. <i>Redox Biology</i> , 2021 , 43, 101972	11.3	0
1	Glutathione Peroxidase 1 as a Modulator of Insulin Production and Signaling 2018 , 81-93		