

Lutz Schomburg

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207
papers

7,676
citations

50
h-index

81
g-index

228
ext. papers

9,063
ext. citations

5.1
avg. IF

6.22
L-index

#	Paper	IF	Citations
207	Concerted peptide trimming by human ERAP1 and ERAP2 aminopeptidase complexes in the endoplasmic reticulum. <i>Nature Immunology</i> , 2005 , 6, 689-97	19.1	361
206	Gene disruption discloses role of selenoprotein P in selenium delivery to target tissues. <i>Biochemical Journal</i> , 2003 , 370, 397-402	3.8	334
205	Mutations in SECISBP2 result in abnormal thyroid hormone metabolism. <i>Nature Genetics</i> , 2005 , 37, 1247-52	3.3	308
204	Expression and hormonal regulation of coactivator and corepressor genes. <i>Endocrinology</i> , 1998 , 139, 2493-500	4.8	190
203	Strong associations of 25-hydroxyvitamin D concentrations with all-cause, cardiovascular, cancer, and respiratory disease mortality in a large cohort study. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 782-93	7	188
202	Selenium, selenoproteins and the thyroid gland: interactions in health and disease. <i>Nature Reviews Endocrinology</i> , 2011 , 8, 160-71	15.2	177
201	Hierarchical regulation of selenoprotein expression and sex-specific effects of selenium. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009 , 1790, 1453-62	4	170
200	On the importance of selenium and iodine metabolism for thyroid hormone biosynthesis and human health. <i>Molecular Nutrition and Food Research</i> , 2008 , 52, 1235-46	5.9	164
199	Hepatically derived selenoprotein P is a key factor for kidney but not for brain selenium supply. <i>Biochemical Journal</i> , 2005 , 386, 221-6	3.8	163
198	Neuronal selenoprotein expression is required for interneuron development and prevents seizures and neurodegeneration. <i>FASEB Journal</i> , 2010 , 24, 844-52	0.9	154
197	Selenium Deficiency Is Associated with Mortality Risk from COVID-19. <i>Nutrients</i> , 2020 , 12,	6.7	151
196	Selenoprotein Gene Nomenclature. <i>Journal of Biological Chemistry</i> , 2016 , 291, 24036-24040	5.4	147
195	Selenium and selenoproteins in mammals: extraordinary, essential, enigmatic. <i>Cellular and Molecular Life Sciences</i> , 2004 , 61, 1988-95	10.3	138
194	Low Population Selenium Status Is Associated With Increased Prevalence of Thyroid Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 4037-47	5.6	127
193	Endocrine active compounds affect thyrotropin and thyroid hormone levels in serum as well as endpoints of thyroid hormone action in liver, heart and kidney. <i>Toxicology</i> , 2004 , 205, 95-102	4.4	124
192	Selenium status is associated with colorectal cancer risk in the European prospective investigation of cancer and nutrition cohort. <i>International Journal of Cancer</i> , 2015 , 136, 1149-61	7.5	121
191	Hepatic selenoprotein P (SePP) expression restores selenium transport and prevents infertility and motor-incoordination in Sepp-knockout mice. <i>Biochemical Journal</i> , 2008 , 409, 741-9	3.8	117

190	Down-regulation of the hepatic selenoprotein biosynthesis machinery impairs selenium metabolism during the acute phase response in mice. <i>FASEB Journal</i> , 2009 , 23, 1758-65	0.9	106
189	Selenium-dependent pre- and posttranscriptional mechanisms are responsible for sexual dimorphic expression of selenoproteins in murine tissues. <i>Endocrinology</i> , 2006 , 147, 5883-92	4.8	105
188	Determinants of selenium status in healthy adults. <i>Nutrition Journal</i> , 2011 , 10, 75	4.3	104
187	Effects of selenium status and polymorphisms in selenoprotein genes on prostate cancer risk in a prospective study of European men. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010 , 19, 2958-68	4	100
186	New assay for the measurement of selenoprotein P as a sepsis biomarker from serum. <i>Journal of Trace Elements in Medicine and Biology</i> , 2008 , 22, 24-32	4.1	100
185	Comparison of different selenocompounds with respect to nutritional value vs. toxicity using liver cells in culture. <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 945-55	6.3	92
184	Four selenoproteins, protein biosynthesis, and Wnt signalling are particularly sensitive to limited selenium intake in mouse colon. <i>Molecular Nutrition and Food Research</i> , 2009 , 53, 1561-72	5.9	91
183	Efficient selenium transfer from mother to offspring in selenoprotein-P-deficient mice enables dose-dependent rescue of phenotypes associated with selenium deficiency. <i>Biochemical Journal</i> , 2004 , 378, 21-6	3.8	88
182	Selenoproteins of the thyroid gland: expression, localization and possible function of glutathione peroxidase 3. <i>Biological Chemistry</i> , 2007 , 388, 1053-9	4.5	80
181	The neurobiology of selenium: lessons from transgenic mice. <i>Journal of Nutrition</i> , 2004 , 134, 707-10	4.1	79
180	Selenoprotein-related disease in a young girl caused by nonsense mutations in the SBP2 gene. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 4066-71	5.6	77
179	Selenium status, thyroid volume, and multiple nodule formation in an area with mild iodine deficiency. <i>European Journal of Endocrinology</i> , 2011 , 164, 585-90	6.5	77
178	Multicenter, phase 3 trial comparing selenium supplementation with observation in gynecologic radiation oncology. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, 828-35	4	77
177	Interference of endocrine disrupters with thyroid hormone receptor-dependent transactivation. <i>Toxicological Sciences</i> , 2009 , 110, 125-37	4.4	71
176	Selenium or no selenium--that is the question in tumor patients: a new controversy. <i>Integrative Cancer Therapies</i> , 2010 , 9, 136-41	3	68
175	Prolactin-releasing peptides do not stimulate prolactin release in vivo. <i>Neuroendocrinology</i> , 2000 , 71, 262-7	5.6	67
174	Prediction of survival odds in COVID-19 by zinc, age and selenoprotein P as composite biomarker. <i>Redox Biology</i> , 2021 , 38, 101764	11.3	66
173	Synthesis and metabolism of thyroid hormones is preferentially maintained in selenium-deficient transgenic mice. <i>Endocrinology</i> , 2006 , 147, 1306-13	4.8	65

172	Bone turnover and bone mineral density are independently related to selenium status in healthy euthyroid postmenopausal women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 4061-70	5.6	64
171	Selenium controls the sex-specific immune response and selenoprotein expression during the acute-phase response in mice. <i>Biochemical Journal</i> , 2010 , 429, 43-51	3.8	62
170	Selenium in oncology: from chemistry to clinics. <i>Molecules</i> , 2009 , 14, 3975-88	4.8	61
169	Selenium supplementation fails to correct the selenoprotein synthesis defect in subjects with SBP2 gene mutations. <i>Thyroid</i> , 2009 , 19, 277-81	6.2	60
168	Mutation of megalin leads to urinary loss of selenoprotein P and selenium deficiency in serum, liver, kidneys and brain. <i>Biochemical Journal</i> , 2010 , 431, 103-11	3.8	60
167	Autoantibodies to the IGF1 receptor in GravesOrbitopathy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 752-60	5.6	59
166	Sex-specific and inter-individual differences in biomarkers of selenium status identified by a calibrated ELISA for selenoprotein P. <i>Redox Biology</i> , 2017 , 11, 403-414	11.3	58
165	Serum selenium is low in newly diagnosed GravesDisease: a population-based study. <i>Clinical Endocrinology</i> , 2013 , 79, 584-90	3.4	57
164	Molecular characterization of a puromycin-insensitive leucyl-specific aminopeptidase, PILS-AP. <i>FEBS Journal</i> , 2000 , 267, 3198-207		57
163	Prediagnostic selenium status and hepatobiliary cancer risk in the European Prospective Investigation into Cancer and Nutrition cohort. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 406-14	7	57
162	Serum 25-hydroxyvitamin d and cancer risk in older adults: results from a large German prospective cohort study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013 , 22, 905-16	4	56
161	Differential responses to selenomethionine supplementation by sex and genotype in healthy adults. <i>British Journal of Nutrition</i> , 2012 , 107, 1514-25	3.6	54
160	Secisbp2 is essential for embryonic development and enhances selenoprotein expression. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 835-49	8.4	52
159	Think globally: act locally. New insights into the local regulation of thyroid hormone availability challenge long accepted dogmas. <i>Molecular and Cellular Endocrinology</i> , 2008 , 289, 1-9	4.4	52
158	Selenoprotein-P Deficiency Predicts Cardiovascular Disease and Death. <i>Nutrients</i> , 2019 , 11,	6.7	49
157	The choice of biomarkers determines the selenium status in young German vegans and vegetarians. <i>British Journal of Nutrition</i> , 2010 , 104, 1601-4	3.6	47
156	Identification of iopanoic acid as substrate of type 1 deiodinase by a novel nonradioactive iodide-release assay. <i>Endocrinology</i> , 2012 , 153, 2506-13	4.8	47
155	Activation of mitochondrial energy metabolism protects against cardiac failure. <i>Aging</i> , 2010 , 2, 843-53	5.6	47

154	Hypoxia reduces and redirects selenoprotein biosynthesis. <i>Metallomics</i> , 2014 , 6, 1079-86	4.5	42
153	The other view: the trace element selenium as a micronutrient in thyroid disease, diabetes, and beyond. <i>Hormones</i> , 2020 , 19, 15-24	3.1	42
152	Polymorphisms in thioredoxin reductase and selenoprotein K genes and selenium status modulate risk of prostate cancer. <i>PLoS ONE</i> , 2012 , 7, e48709	3.7	40
151	Genomic organization and promoter structure of the human EXT1 gene. <i>Genomics</i> , 1997 , 40, 351-4	4.3	40
150	An Improved Nonradioactive Screening Method Identifies Genistein and Xanthohumol as Potent Inhibitors of Iodothyronine Deiodinases. <i>Thyroid</i> , 2015 , 25, 962-8	6.2	39
149	Disorders of selenium metabolism and selenoprotein function. <i>Current Opinion in Pediatrics</i> , 2011 , 23, 429-35	3.2	39
148	Overview of Selenium Deficiency and Toxicity Worldwide: Affected Areas, Selenium-Related Health Issues, and Case Studies. <i>Plant Ecophysiology</i> , 2017 , 209-230		38
147	Selenite supplementation in euthyroid subjects with thyroid peroxidase antibodies. <i>Clinical Endocrinology</i> , 2014 , 80, 444-51	3.4	38
146	Selenoprotein P status correlates to cancer-specific mortality in renal cancer patients. <i>PLoS ONE</i> , 2012 , 7, e46644	3.7	38
145	Standardization of misleading immunoassay based 25-hydroxyvitamin D levels with liquid chromatography tandem-mass spectrometry in a large cohort study. <i>PLoS ONE</i> , 2012 , 7, e48774	3.7	38
144	Hepatic deiodinase activity is dispensable for the maintenance of normal circulating thyroid hormone levels in mice. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 337, 739-45	3.4	38
143	Serum selenium and selenoprotein P status in adult Danes - 8-year followup. <i>Journal of Trace Elements in Medicine and Biology</i> , 2009 , 23, 265-71	4.1	37
142	Association between maternal micronutrient status, oxidative stress, and common genetic variants in antioxidant enzymes at 15 weeks? gestation in nulliparous women who subsequently develop preeclampsia. <i>Free Radical Biology and Medicine</i> , 2015 , 78, 147-55	7.8	36
141	Thyroid hormones regulate selenoprotein expression and selenium status in mice. <i>PLoS ONE</i> , 2010 , 5, e12931	3.7	36
140	Regulation of Selenocysteine Content of Human Selenoprotein P by Dietary Selenium and Insertion of Cysteine in Place of Selenocysteine. <i>PLoS ONE</i> , 2015 , 10, e0140353	3.7	35
139	Multicenter, phase III trial comparing selenium supplementation with observation in gynecologic radiation oncology: follow-up analysis of the survival data 6 years after cessation of randomization. <i>Integrative Cancer Therapies</i> , 2014 , 13, 463-7	3	35
138	Serum copper as a novel biomarker for resistance to thyroid hormone. <i>Biochemical Journal</i> , 2012 , 443, 103-9	3.8	35
137	Selenium Status Is Positively Associated with Bone Mineral Density in Healthy Aging European Men. <i>PLoS ONE</i> , 2016 , 11, e0152748	3.7	34

136	Circulating copper and zinc levels and risk of hepatobiliary cancers in Europeans. <i>British Journal of Cancer</i> , 2017 , 116, 688-696	8.7	33
135	Selenoprotein P is the essential selenium transporter for bones. <i>Metallomics</i> , 2014 , 6, 1043-9	4.5	32
134	Regulation of the adenohipophyseal thyrotropin-releasing hormone-degrading ectoenzyme by estradiol. <i>Endocrinology</i> , 1997 , 138, 3587-93	4.8	32
133	Effect of age on sexually dimorphic selenoprotein expression in mice. <i>Biological Chemistry</i> , 2007 , 388, 1035-41	4.5	32
132	Silychristin, a Flavonolignan Derived From the Milk Thistle, Is a Potent Inhibitor of the Thyroid Hormone Transporter MCT8. <i>Endocrinology</i> , 2016 , 157, 1694-701	4.8	32
131	Double-Blind, Placebo-Controlled, Randomized Trial of Selenium in Graves Hyperthyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 4333-4341	5.6	31
130	Selenoprotein P in seminal fluid is a novel biomarker of sperm quality. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 443, 905-10	3.4	31
129	Thyroid function is maintained despite increased oxidative stress in mice lacking selenoprotein biosynthesis in thyroid epithelial cells. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 902-13	8.4	31
128	Pre-diagnostic copper and zinc biomarkers and colorectal cancer risk in the European Prospective Investigation into Cancer and Nutrition cohort. <i>Carcinogenesis</i> , 2017 , 38, 699-707	4.6	28
127	Selenoprotein-P is down-regulated in prostate cancer, which results in lack of protection against oxidative damage. <i>Prostate</i> , 2011 , 71, 824-34	4.2	28
126	Severe selenium deficits in pregnant women irrespective of autoimmune thyroid disease in an area with marginal selenium intake. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 44, 186-191	4.1	27
125	Selenoprotein P as Biomarker of Selenium Status in Clinical Trials with Therapeutic Dosages of Selenite. <i>Nutrients</i> , 2020 , 12,	6.7	25
124	Gene-specific regulation of hepatic selenoprotein expression by interleukin-6. <i>Metallomics</i> , 2015 , 7, 1515-21	4.5	24
123	New insights into the physiological actions of selenoproteins from genetically modified mice. <i>IUBMB Life</i> , 2005 , 57, 737-44	4.7	24
122	Selenium in Radiation Oncology-15 Years of Experiences in Germany. <i>Nutrients</i> , 2018 , 10,	6.7	23
121	Reduced serum selenoprotein P concentrations in German prostate cancer patients. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009 , 18, 2386-90	4	23
120	Homozygous mutation in TXNRD1 is associated with genetic generalized epilepsy. <i>Free Radical Biology and Medicine</i> , 2017 , 106, 270-277	7.8	22
119	Copper to Zinc Ratio as Disease Biomarker in Neonates with Early-Onset Congenital Infections. <i>Nutrients</i> , 2017 , 9,	6.7	22

118	Transgenic mice expressing small interfering RNA against Gata4 point to a crucial role of Gata4 in the heart and gonads. <i>Journal of Molecular Endocrinology</i> , 2009 , 43, 157-69	4.5	22
117	Expression of Selenoprotein Genes and Association with Selenium Status in Colorectal Adenoma and Colorectal Cancer. <i>Nutrients</i> , 2018 , 10,	6.7	22
116	IFN γ -Inducible Chemokines Decrease upon Selenomethionine Supplementation in Women with Euthyroid Autoimmune Thyroiditis: Comparison between Two Doses of Selenomethionine (80 or 160 μ) versus Placebo. <i>European Thyroid Journal</i> , 2015 , 4, 226-33	4.2	21
115	Lack of Association between Selenium Status and Disease Severity and Activity in Patients with GravesOphthalmopathy. <i>European Thyroid Journal</i> , 2016 , 5, 57-64	4.2	19
114	V2 vasopressin receptor deficiency causes changes in expression and function of renal and hypothalamic components involved in electrolyte and water homeostasis. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F1177-90	4.3	18
113	Selenium and Selenoprotein P Deficiency Correlates With Complications and Adverse Outcome After Major Trauma. <i>Shock</i> , 2020 , 53, 63-70	3.4	18
112	A Nonradioactive Uptake Assay for Rapid Analysis of Thyroid Hormone Transporter Function. <i>Endocrinology</i> , 2015 , 156, 2739-45	4.8	17
111	Resting energy expenditure and the effects of muscle wasting in patients with chronic heart failure: results from the Studies Investigating Comorbidities Aggravating Heart Failure (SICA-HF). <i>Journal of the American Medical Directors Association</i> , 2013 , 14, 837-41	5.9	16
110	Thyrotropin releasing hormone (TRH), the TRH-receptor and the TRH-degrading ectoenzyme; three elements of a peptidergic signalling system. <i>Results and Problems in Cell Differentiation</i> , 1999 , 26, 13-42	1.4	16
109	Selenium status in neonates with connatal infection. <i>British Journal of Nutrition</i> , 2016 , 116, 504-13	3.6	14
108	Altered apolipoprotein A-V expression during the acute phase response is independent of plasma triglyceride levels in mice and humans. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 339, 833-9	3.4	14
107	Relation of Serum Copper Status to Survival in COVID-19. <i>Nutrients</i> , 2021 , 13,	6.7	14
106	Role of Selenium Intake for Risk and Development of Hyperthyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 568-580	5.6	14
105	Selenium Deficiency Due to Diet, Pregnancy, Severe Illness, or COVID-19-A Preventable Trigger for Autoimmune Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	14
104	Non-canonical HIF-1 stabilization contributes to intestinal tumorigenesis. <i>Oncogene</i> , 2019 , 38, 5670-5685	5.2	13
103	Chronic Kidney Disease Distinctly Affects Relationship Between Selenoprotein P Status and Serum Thyroid Hormone Parameters. <i>Thyroid</i> , 2015 , 25, 1091-6	6.2	13
102	Aminoglycoside-driven biosynthesis of selenium-deficient Selenoprotein P. <i>Scientific Reports</i> , 2017 , 7, 4391	4.9	13
101	Thyrotropin-releasing hormone gene expression by anterior pituitary cells in long-term cultures is influenced by the culture conditions and cell-to-cell interactions. <i>Endocrinology</i> , 1997 , 138, 2807-12	4.8	13

100	Association of Selenoprotein and Selenium Pathway Genotypes with Risk of Colorectal Cancer and Interaction with Selenium Status. <i>Nutrients</i> , 2019 , 11,	6.7	12
99	A Zinpyr-1-based Fluorimetric Microassay for Free Zinc in Human Serum. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	11
98	Selenium and Copper as Biomarkers for Pulmonary Arterial Hypertension in Systemic Sclerosis. <i>Nutrients</i> , 2020 , 12,	6.7	11
97	Impact of treatment planning target volumen (PTV) size on radiation induced diarrhoea following selenium supplementation in gynecologic radiation oncology--a subgroup analysis of a multicenter, phase III trial. <i>Radiation Oncology</i> , 2013 , 8, 72	4.2	11
96	Identification of thyroid hormone response elements in vivo using mice expressing a tagged thyroid hormone receptor β . <i>Bioscience Reports</i> , 2013 , 33, e00027	4.1	11
95	Selenium in intensive care (SIC) study: the XX files are still unresolved. <i>Critical Care Medicine</i> , 2007 , 35, 995-6; author reply 996-7	1.4	11
94	Selenium deficiency is linearly associated with hypoglycemia in healthy adults. <i>Redox Biology</i> , 2020 , 37, 101709	11.3	11
93	Relation of selenium status to neuro-regeneration after traumatic spinal cord injury. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019 , 51, 141-149	4.1	11
92	Trace element profile and incidence of type 2 diabetes, cardiovascular disease and colorectal cancer: results from the EPIC-Potsdam cohort study. <i>European Journal of Nutrition</i> , 2021 , 60, 3267-3278	5.2	11
91	In vivo Effects of Repeated Thyronamine Administration in Male C57BL/6J Mice. <i>European Thyroid Journal</i> , 2018 , 7, 3-12	4.2	10
90	Selenium in sepsis--substitution, supplementation or pro-oxidative bolus?. <i>Critical Care</i> , 2014 , 18, 444	10.8	10
89	Genetics and phenomics of selenoenzymes--how to identify an impaired biosynthesis?. <i>Molecular and Cellular Endocrinology</i> , 2010 , 322, 114-24	4.4	10
88	Selene, the goddess of the moon: does she shine on men only?. <i>European Heart Journal</i> , 2007 , 28, 2043-4	9.5	10
87	A large-bolus injection, but not continuous infusion of sodium selenite improves outcome in peritonitis. <i>Shock</i> , 2010 , 33, 554-555	3.4	10
86	Selenium and copper status - potential signposts for neurological remission after traumatic spinal cord injury. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 57, 126415	4.1	10
85	Cross-sectional analysis of trace element status in thyroid disease. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 58, 126430	4.1	10
84	Copper and selenium status as biomarkers of neonatal infections. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 58, 126437	4.1	10
83	Factors impacting the aminoglycoside-induced UGA stop codon readthrough in selenoprotein translation. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016 , 37, 104-110	4.1	10

82	A Nonradioactive DEHAL Assay for Testing Substrates, Inhibitors, and Monitoring Endogenous Activity. <i>Endocrinology</i> , 2016 , 157, 4516-4525	4.8	9
81	Circulating levels of selenium-binding protein 1 (SELENBP1) are associated with risk for major adverse cardiac events and death. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019 , 52, 247-253	4.1	9
80	Selenium, selenoproteins and brain function 2006 , 233-248		9
79	Lipopolysaccharide responsiveness is an independent predictor of death in patients with chronic heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 87, 48-53	5.8	8
78	Zinc Concentration Dynamics Indicate Neurological Impairment Odds after Traumatic Spinal Cord Injury. <i>Antioxidants</i> , 2020 , 9,	7.1	8
77	Cow Milk Consumption Increases Iodine Status in Women of Childbearing Age in a Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2018 , 148, 401-408	4.1	8
76	The Role of Magnesium in the Secondary Phase After Traumatic Spinal Cord Injury. A Prospective Clinical Observer Study. <i>Antioxidants</i> , 2019 , 8,	7.1	8
75	Trace element and cytokine concentrations in patients with Fibrodysplasia Ossificans Progressiva (FOP): A case control study. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 39, 186-192	4.1	8
74	Structure- and cell-specific effects of imidoselenocarbamates on selenoprotein expression and activity in liver cells in culture. <i>Metallomics</i> , 2012 , 4, 1297-307	4.5	8
73	Clinical Significance of Micronutrient Supplementation in Critically Ill COVID-19 Patients with Severe ARDS. <i>Nutrients</i> , 2021 , 13,	6.7	8
72	Minireview: Insights Into the Structural and Molecular Consequences of the TSH-Mutation C105Vfs114X. <i>Molecular Endocrinology</i> , 2016 , 30, 954-64		8
71	A large-bolus injection, but not continuous infusion of sodium selenite improves outcome in peritonitis. <i>Shock</i> , 2010 , 33, 554-5; author reply 555-6	3.4	8
70	Selenium in Cardiac Surgery. <i>Nutrition in Clinical Practice</i> , 2019 , 34, 528-539	3.6	7
69	Positive correlation of thyroid hormones and serum copper in children with congenital hypothyroidism. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016 , 37, 90-95	4.1	7
68	Association of antiepileptic drug usage, trace elements and thyroid hormone status. <i>European Journal of Endocrinology</i> , 2016 , 174, 425-32	6.5	7
67	Ovine pulmonary adenocarcinoma as an animal model of progressive lung cancer and the impact of nutritional selenium supply. <i>Journal of Trace Elements in Medicine and Biology</i> , 2011 , 25 Suppl 1, S30-4	4.1	7
66	Selenium Deficiency is Associated with Mortality Risk from COVID-19		7
65	Selenoprotein P and Selenium Distribution in Mammals 2016 , 261-274		7

64	Course and Survival of COVID-19 Patients with Comorbidities in Relation to the Trace Element Status at Hospital Admission. <i>Nutrients</i> , 2021 , 13,	6.7	7
63	Letter by Schomburg and Melander Regarding Article, "Selenoprotein P Promotes the Development of Pulmonary Arterial Hypertension: A Possible Novel Therapeutic Target". <i>Circulation</i> , 2019 , 139, 722-723	16.7	6
62	Selenium status in patients with autoimmune and non-autoimmune thyroid diseases from four European countries. <i>Expert Review of Endocrinology and Metabolism</i> , 2014 , 9, 685-692	4.1	6
61	Aging affects sex- and organ-specific trace element profiles in mice. <i>Aging</i> , 2020 , 12, 13762-13790	5.6	6
60	Effect of selenium supplementation on musculoskeletal health in older women: a randomised, double-blind, placebo-controlled trial. <i>The Lancet Healthy Longevity</i> , 2021 , 2, e212-e221	9.5	6
59	Serum Selenium Status as a Diagnostic Marker for the Prognosis of Liver Transplantation. <i>Nutrients</i> , 2021 , 13,	6.7	6
58	Selenium supplementation in radiotherapy patients: do we need to measure selenium levels in serum or blood regularly prior radiotherapy?. <i>Radiation Oncology</i> , 2014 , 9, 289	4.2	5
57	Opposing effects of dietary sugar and saturated fat on cardiovascular risk factors and glucose metabolism in mitochondrially impaired mice. <i>European Journal of Nutrition</i> , 2010 , 49, 417-27	5.2	5
56	Treating Hashimoto's thyroiditis with selenium: no risks, just benefits?. <i>Thyroid</i> , 2011 , 21, 563-4; author reply 564-5	6.2	5
55	Copper interferes with selenoprotein synthesis and activity. <i>Redox Biology</i> , 2020 , 37, 101746	11.3	5
54	Treatment with recombinant human bone morphogenetic protein 7 leads to a transient induction of neutralizing autoantibodies in a subset of patients. <i>BBA Clinical</i> , 2016 , 6, 100-7		5
53	Whole Blood Selenium Levels and Selenium Supplementation in Patients Treated in a Family Doctor Practice in Golßen (State of Brandenburg, Germany): A Laboratory Study. <i>Integrative Cancer Therapies</i> , 2018 , 17, 1132-1136	3	5
52	Serum selenium, selenoprotein P and glutathione peroxidase 3 as predictors of mortality and recurrence following breast cancer diagnosis: A multicentre cohort study. <i>Redox Biology</i> , 2021 , 47, 102145	11.3	5
51	Strong induction of iodothyronine deiodinases by chemotherapeutic selenocompounds. <i>Metallomics</i> , 2015 , 7, 347-54	4.5	4
50	Selenium and hypertension: do we need to reconsider selenium supplementation in cancer patients?. <i>Journal of Hypertension</i> , 2013 , 31, 1049-50	1.9	4
49	Challenges and perspectives of selenium supplementation in Graves Disease and orbitopathy. <i>Hormones</i> , 2020 , 19, 31-39	3.1	4
48	Se Status Prediction by Food Intake as Compared to Circulating Biomarkers in a West Algerian Population. <i>Nutrients</i> , 2020 , 12,	6.7	4
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