

Lutz Schomburg

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.

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	Humoral immune response to COVID-19 mRNA vaccination in relation to selenium status.. <i>Redox Biology</i> , 2022 , 50, 102242	11.3	1
206	Insulin Receptor Autoantibody-mediated Hypoglycemia in a Woman With Mixed Connective Tissue Disease.. <i>Journal of the Endocrine Society</i> , 2022 , 6, bvab182	0.4	0
205	Autoimmunity to selenoprotein P predicts breast cancer recurrence. <i>Redox Biology</i> , 2022 , 102346	11.3	0
204	Natural Autoimmunity to Selenoprotein P Impairs Selenium Transport in Hashimoto's Thyroiditis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
203	Relationship between Vitamin D Status and Antibody Response to COVID-19 mRNA Vaccination in Healthy Adults. <i>Biomedicines</i> , 2021 , 9,	4.8	3
202	Selenium-Binding Protein 1 (SELENBP1) as Biomarker for Adverse Clinical Outcome After Traumatic Spinal Cord Injury. <i>Frontiers in Neuroscience</i> , 2021 , 15, 680240	5.1	0
201	Prediagnostic Blood Selenium Status and Mortality among Patients with Colorectal Cancer in Western European Populations. <i>Biomedicines</i> , 2021 , 9,	4.8	2
200	The Nutritional Supply of Iodine and Selenium Affects Thyroid Hormone Axis Related Endpoints in Mice. <i>Nutrients</i> , 2021 , 13,	6.7	2
199	Natural autoantibodies to the gonadotropin-releasing hormone receptor in polycystic ovarian syndrome. <i>PLoS ONE</i> , 2021 , 16, e0249639	3.7	1
198	Selenium supplementation to improve bone health in postmenopausal women: the SeMS three-arm RCT. <i>Efficacy and Mechanism Evaluation</i> , 2021 , 8, 1-38	1.7	
197	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
196	Predicting neurological recovery after traumatic spinal cord injury by time-resolved analysis of monocyte subsets. <i>Brain</i> , 2021 , 144, 3159-3174	11.2	0
195	Relation of Serum Copper Status to Survival in COVID-19. <i>Nutrients</i> , 2021 , 13,	6.7	14
194	Clinical Significance of Micronutrient Supplementation in Critically Ill COVID-19 Patients with Severe ARDS. <i>Nutrients</i> , 2021 , 13,	6.7	8
193	Positive effects of selenium supplementation in women with newly diagnosed Hashimoto's thyroiditis in an area with low selenium status. <i>International Journal of Clinical Practice</i> , 2021 , 75, e14484 ^{2.9}		2
192	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
191	Toenail selenium, plasma selenoprotein P and risk of advanced prostate cancer: A nested case-control study. <i>International Journal of Cancer</i> , 2021 , 148, 876-883	7.5	4

190	Selenium Status Should Be Assessed. <i>Deutsches Arzteblatt International</i> , 2021 , 118, 133	2.5	
189	Serum Selenium Status as a Diagnostic Marker for the Prognosis of Liver Transplantation. <i>Nutrients</i> , 2021 , 13,	6.7	6
188	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
187	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
186	Copper Isotopes and Copper to Zinc Ratio as Possible Biomarkers for Thyroid Cancer. <i>Frontiers in Medicine</i> , 2021 , 8, 698167	4.9	4
185	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
184	Maternal Thyroid Hormone Programs Cardiovascular Functions in the Offspring. <i>Thyroid</i> , 2021 , 31, 1424-1435	4.35	3
183	Ageing-associated effects of a long-term dietary modulation of four trace elements in mice. <i>Redox Biology</i> , 2021 , 46, 102083	11.3	1
182	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
181	PALB2 upregulation is associated with a poor prognosis in pancreatic ductal adenocarcinoma. <i>Oncology Letters</i> , 2021 , 21, 224	2.6	1
180	Autoimmunity to the Follicle-Stimulating Hormone Receptor (FSHR) and Luteinizing Hormone Receptor (LHR) in Polycystic Ovarian Syndrome.. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
179	Zinc Concentration Dynamics Indicate Neurological Impairment Odds after Traumatic Spinal Cord Injury. <i>Antioxidants</i> , 2020 , 9,	7.1	8
178	CD5L Constitutes a Novel Biomarker for Integrated Hepatic Thyroid Hormone Action. <i>Thyroid</i> , 2020 , 30, 908-923	6.2	3
177	Selenium and Copper as Biomarkers for Pulmonary Arterial Hypertension in Systemic Sclerosis. <i>Nutrients</i> , 2020 , 12,	6.7	11
176	Antagonistic Autoantibodies to Insulin-Like Growth Factor-1 Receptor Associate with Poor Physical Strength. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
175	Re-visiting autoimmunity to sodium-iodide symporter and pendrin in thyroid disease. <i>European Journal of Endocrinology</i> , 2020 , 183, 571-580	6.5	3
174	Aging affects sex- and organ-specific trace element profiles in mice. <i>Aging</i> , 2020 , 12, 13762-13790	5.6	6
173	Selen und Jod bei Hashimoto-Thyreoiditis. <i>Erfahrungsheilkunde</i> , 2020 , 69, 300-305	0.1	

172	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
171	Challenges and perspectives of selenium supplementation in GravesDisease and orbitopathy. <i>Hormones</i> , 2020 , 19, 31-39	3.1	4
170	N- and O-Acetylated 3-Iodothyronamines Have No Metabolic or Thermogenic Effects in Male Mice. <i>European Thyroid Journal</i> , 2020 , 9, 57-66	4.2	1
169	Unraveling the Molecular Basis for Successful Thyroid Hormone Replacement Therapy: The Need for New Thyroid Tissue- and Pathway-Specific Biomarkers. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2020 , 128, 473-478	2.3	2
168	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
167	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
166	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
165	Selenium and Selenoprotein P Deficiency Correlates With Complications and Adverse Outcome After Major Trauma. <i>Shock</i> , 2020 , 53, 63-70	3.4	18
164	Selenium deficiency is linearly associated with hypoglycemia in healthy adults. <i>Redox Biology</i> , 2020 , 37, 101709	11.3	11
163	Copper interferes with selenoprotein synthesis and activity. <i>Redox Biology</i> , 2020 , 37, 101746	11.3	5
162	Selenium Deficiency Is Associated with Mortality Risk from COVID-19. <i>Nutrients</i> , 2020 , 12,	6.7	151
161	Se Status Prediction by Food Intake as Compared to Circulating Biomarkers in a West Algerian Population. <i>Nutrients</i> , 2020 , 12,	6.7	4
160	Selenoprotein P as Biomarker of Selenium Status in Clinical Trials with Therapeutic Dosages of Selenite. <i>Nutrients</i> , 2020 , 12,	6.7	25
159	Selenium-Binding Protein 1 Indicates Myocardial Stress and Risk for Adverse Outcome in Cardiac Surgery. <i>Nutrients</i> , 2019 , 11,	6.7	2
158	A Zinpyr-1-based Fluorimetric Microassay for Free Zinc in Human Serum. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	11
157	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
156	Selenium in Cardiac Surgery. <i>Nutrition in Clinical Practice</i> , 2019 , 34, 528-539	3.6	7
155	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

154	Non-canonical HIF-1 stabilization contributes to intestinal tumorigenesis. <i>Oncogene</i> , 2019 , 38, 5670-5685	5.2	13
153	Selenoprotein-P Deficiency Predicts Cardiovascular Disease and Death. <i>Nutrients</i> , 2019 , 11,	6.7	49
152	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
151	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
150	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
149	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
148	In vivo Effects of Repeated Thyronamine Administration in Male C57BL/6J Mice. <i>European Thyroid Journal</i> , 2018 , 7, 3-12	4.2	10
147	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
146	Selenium in Radiation Oncology-15 Years of Experiences in Germany. <i>Nutrients</i> , 2018 , 10,	6.7	23
145	Expression of Selenoprotein Genes and Association with Selenium Status in Colorectal Adenoma and Colorectal Cancer. <i>Nutrients</i> , 2018 , 10,	6.7	22
144	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
143	Dietary Aspects for Selenium and/or Selenium Compounds. <i>Molecular and Integrative Toxicology</i> , 2018 , 51-67	0.5	
142	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
141	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
140	Homozygous mutation in TXNRD1 is associated with genetic generalized epilepsy. <i>Free Radical Biology and Medicine</i> , 2017 , 106, 270-277	7.8	22
139	Overview of Selenium Deficiency and Toxicity Worldwide: Affected Areas, Selenium-Related Health Issues, and Case Studies. <i>Plant Ecophysiology</i> , 2017 , 209-230		38
138	Selenium Metabolism in Herbivores and Higher Trophic Levels Including Mammals. <i>Plant Ecophysiology</i> , 2017 , 123-139		2
137	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

136	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
135	Plant-Based Diets and Selenium Intake and Status 2017 , 729-746		
134	Copper to Zinc Ratio as Disease Biomarker in Neonates with Early-Onset Congenital Infections. <i>Nutrients</i> , 2017 , 9,	6.7	22
133	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
132	Aminoglycoside-driven biosynthesis of selenium-deficient Selenoprotein P. <i>Scientific Reports</i> , 2017 , 7, 4391	4.9	13
131	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
130	Selenoprotein Gene Nomenclature. <i>Journal of Biological Chemistry</i> , 2016 , 291, 24036-24040	5.4	147
129	Selenium status in neonates with connatal infection. <i>British Journal of Nutrition</i> , 2016 , 116, 504-13	3.6	14
128	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
127	Association of antiepileptic drug usage, trace elements and thyroid hormone status. <i>European Journal of Endocrinology</i> , 2016 , 174, 425-32	6.5	7
126	Selenium Status Is Positively Associated with Bone Mineral Density in Healthy Aging European Men. <i>PLoS ONE</i> , 2016 , 11, e0152748	3.7	34
125	Selenoprotein P and Selenium Distribution in Mammals 2016 , 261-274		7
124	Human Clinical Trials Involving Selenium 2016 , 307-319		1
123	Sex-Specific Differences in Biological Effects and Metabolism of Selenium 2016 , 377-388		2
122	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
121	A Nonradioactive DEHAL Assay for Testing Substrates, Inhibitors, and Monitoring Endogenous Activity. <i>Endocrinology</i> , 2016 , 157, 4516-4525	4.8	9
120	Minireview: Insights Into the Structural and Molecular Consequences of the TSH-Mutation C105Vfs114X. <i>Molecular Endocrinology</i> , 2016 , 30, 954-64		8
119	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

118	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
117	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
116	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
115	Strong induction of iodothyronine deiodinases by chemotherapeutic selenocompounds. <i>Metallomics</i> , 2015 , 7, 347-54	4.5	4
114	Der selen/Kupfer Koeffizient – ein neuer biomarker für Schilddrüsenhormonresistenz?. <i>Perspectives in Science</i> , 2015 , 3, 44-45	0.8	
113	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
112	Gene-specific regulation of hepatic selenoprotein expression by interleukin-6. <i>Metallomics</i> , 2015 , 7, 1515-21	4.5	24
111	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
110	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
109	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
108	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
107	Zur Spurenelementbestimmung aus getrockneten Bioproben. <i>Perspectives in Science</i> , 2015 , 3, 46-47	0.8	
106	Analysis of selenium status from dried blood spots by total-reflection X-ray fluorescence analysis. <i>Perspectives in Science</i> , 2015 , 3, 32-33	0.8	1
105	Effekte einer kongenitalen Zytomegalie Infektion auf den Selenstatus von Müttern und ihren neugeborenen Kindern. <i>Perspectives in Science</i> , 2015 , 3, 50-52	0.8	
104	Hypoxie beeinflusst die Selenoprotein Expression. <i>Perspectives in Science</i> , 2015 , 3, 53-54	0.8	
103	Genspezifische Regulation von Selenoproteinen durch Methyl-Imidoselenocarbamate mit Antitumoraktivität. <i>Perspectives in Science</i> , 2015 , 3, 48-49	0.8	
102	Importance of selenium status in patients with chronic heart failure. <i>Perspectives in Science</i> , 2015 , 3, 34-35	0.8	1
101	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

100	A Nonradioactive Uptake Assay for Rapid Analysis of Thyroid Hormone Transporter Function. <i>Endocrinology</i> , 2015 , 156, 2739-45	4.8	17
99	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
98	Regulation der Selenoprotein-Expression durch Interleukin-6. <i>Perspectives in Science</i> , 2015 , 3, 38-40	0.8	0
97	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
96	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
95	Secisbp2 is essential for embryonic development and enhances selenoprotein expression. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 835-49	8.4	52
94	Selenoprotein P is the essential selenium transporter for bones. <i>Metallomics</i> , 2014 , 6, 1043-9	4.5	32
93	Hypoxia reduces and redirects selenoprotein biosynthesis. <i>Metallomics</i> , 2014 , 6, 1079-86	4.5	42
92	Selenium in sepsis--substitution, supplementation or pro-oxidative bolus?. <i>Critical Care</i> , 2014 , 18, 444	10.8	10
91	Serum selenium deficiency in patients with hematological malignancies: is a supplementation study mandatory?. <i>Acta Haematologica</i> , 2014 , 132, 256-8	2.7	3
90	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
89	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
88	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
87	Selenite supplementation in euthyroid subjects with thyroid peroxidase antibodies. <i>Clinical Endocrinology</i> , 2014 , 80, 444-51	3.4	38
86	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
85	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
84	Serum selenium is low in newly diagnosed Graves Disease: a population-based study. <i>Clinical Endocrinology</i> , 2013 , 79, 584-90	3.4	57
83	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

82	Autoantibodies to the IGF1 receptor in GravesOrbitopathy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 752-60	5.6	59
81	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
80	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
79	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
78	Aminoamidase PILS 2013 , 425-430		
77	Selenium status and widespread endocrine diseases—critical view 2013 , 29-30		
76	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
75	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
74	Selenoprotein P status correlates to cancer-specific mortality in renal cancer patients. <i>PLoS ONE</i> , 2012 , 7, e46644	3.7	38
73	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
72	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
71	Serum copper as a novel biomarker for resistance to thyroid hormone. <i>Biochemical Journal</i> , 2012 , 443, 103-9	3.8	35
70	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
69	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
68	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
67	Selenium, selenoproteins and the thyroid gland: interactions in health and disease. <i>Nature Reviews Endocrinology</i> , 2011 , 8, 160-71	15.2	177
66	Disorders of selenium metabolism and selenoprotein function. <i>Current Opinion in Pediatrics</i> , 2011 , 23, 429-35	3.2	39
65	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

64	Selenium Transport in Mammals: Selenoprotein P and Its Receptors 2011 , 205-219		2
63	Determinants of selenium status in healthy adults. <i>Nutrition Journal</i> , 2011 , 10, 75	4.3	104
62	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
61	Treating Hashimoto's thyroiditis with selenium: no risks, just benefits?. <i>Thyroid</i> , 2011 , 21, 563-4; author reply 564-5	6.2	5
60	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
59	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
58	Variations in Selenium Metabolism in Males and Females 2011 , 419-432		
57	Thyroid hormones regulate selenoprotein expression and selenium status in mice. <i>PLoS ONE</i> , 2010 , 5, e12931	3.7	36
56	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
55	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
54	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
53	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
52	Genetics and phenomics of selenoenzymes--how to identify an impaired biosynthesis?. <i>Molecular and Cellular Endocrinology</i> , 2010 , 322, 114-24	4.4	10
51	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
50	Neuronal selenoprotein expression is required for interneuron development and prevents seizures and neurodegeneration. <i>FASEB Journal</i> , 2010 , 24, 844-52	0.9	154
49	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
48	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
47	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

46	Activation of mitochondrial energy metabolism protects against cardiac failure. <i>Aging</i> , 2010 , 2, 843-53	5.6	47
45	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
44	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
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