Selenium in global food systems

British Journal of Nutrition

85, 517-547

DOI: 10.1079/bjn2000280

Citation Report

#	Article	IF	Citations
1	Selenium in poultry nutrition 2. Reproduction, egg and meat quality and practical applications. World's Poultry Science Journal, 2002, 58, 431-450.	1.4	124
3	Selenium and breast-feeding. British Journal of Nutrition, 2002, 88, 443-461.	1.2	83
4	Assessment of Selenium Bioavailability from High-Selenium Spirulina Subfractions in Selenium-Deficient Rats. Journal of Agricultural and Food Chemistry, 2002, 50, 3867-3873.	2.4	33
5	A Novel Single Nucleotide Polymorphism in the 3â€² Untranslated Region of Human Glutathione Peroxidase 4 Influences Lipoxygenase Metabolism. Blood Cells, Molecules, and Diseases, 2002, 29, 174-178.	0.6	89
6	The argument for increasing selenium intake. Proceedings of the Nutrition Society, 2002, 61, 203-215.	0.4	390
7	Peripartum cardiomyopathy: a selenium disconnection and an autoimmune connection. International Journal of Cardiology, 2002, 86, 311-316.	0.8	56
8	Selenium status and associated factors in a British National Diet and Nutrition Survey: young people aged 4â€“18â€…y. European Journal of Clinical Nutrition, 2002, 56, 873-881.	1.3	36
9	Serum selenium and the risk of cervical cancer among women in the United States. Cancer Causes and Control, 2002, 13, 517-526.	0.8	12
10	Oxidative-Stress Markers in Blood of Lung Cancer Patients Occupationally Exposed to Carcinogens. Biological Trace Element Research, 2003, 91, 203-215.	1.9	22
11	Selenium content in the pilchard of the Adriatic Sea. European Food Research and Technology, 2003, 217, 154-156.	1.6	6
12	Chemoprevention of prostate cancer. Urologic Clinics of North America, 2003, 30, 227-237.	0.8	11
13	Changes in Lipid Peroxidation and Antioxidant Trace Elements in Serum of Women With Cervical Intraepithelial Neoplasia and Invasive Cancer. Nutrition and Cancer, 2003, 47, 126-130.	0.9	46
15	High-selenium wheat: biofortification for better health. Nutrition Research Reviews, 2003, 16, 45.	2.1	169
16	Antioxidants as Cancer Therapies. , 0, , 1-26.		0
17	Association of selenium with thyroid volume and echostructure in 35- to 60-year-old French adults. European Journal of Endocrinology, 2003, 148, 309-315.	1.9	119
18	Trace Heavy Metal Levels in Street Dust Samples from Yozgat City Center, Turkey. Instrumentation Science and Technology, 2003, 21, 351-361.	0.8	47
19	Mercury and the Risk of Myocardial Infarction. New England Journal of Medicine, 2003, 348, 2151-2154.	13.9	15
20	Selenium supplementation: does soil supplementation help and why?. Proceedings of the Nutrition Society, 2003, 62, 393-397.	0.4	47

#	Article	IF	Citations
21	Antioxidant Effects of Selenium in Rat Brain and the Stimulating Role of Nitric Oxide. Nutritional Neuroscience, 2003, 6, 177-182.	1.5	2
22	Dietary Selenium Intake Modulates Thyroid Hormone and Energy Metabolism in Men. Journal of Nutrition, 2003, 133, 3443-3448.	1.3	69
23	Recent highly cited articles in theBritish Journal of Nutrition. British Journal of Nutrition, 2003, 90, 1-2.	1.2	32
24	Food and Dietary Supplement Databases for What We Eat in Americaâ€“NHANES. Journal of Nutrition, 2003, 133, 624S-634S.	1.3	44
25	Dietary and Biochemical Selenium Status of Urban 6- to 24-Month-Old South Island New Zealand Children and their Postpartum Mothers. Journal of Nutrition, 2004, 134, 3290-3295.	1.3	23
26	Trends in selenium status of South Australians. Medical Journal of Australia, 2004, 180, 383-386.	0.8	32
27	Selenium: does selenium status have health outcomes beyond overt deficiency?. Medical Journal of Australia, 2004, 180, 373-374.	0.8	19
29	The use of high-selenium yeast to raise selenium status: how does it measure up?. British Journal of Nutrition, 2004, 92, 557-573.	1.2	477
30	Selenium and iodine intakes and status in New Zealand and Australia. British Journal of Nutrition, 2004, 91, 661-672.	1.2	143
31	Selenium and its relationship to cancer: an update. British Journal of Nutrition, 2004, 91, 11-28.	1.2	535
33	AIDS and global security. International Affairs, 2004, 80, 931-952.	0.6	59
34	Assessment of requirements for selenium and adequacy of selenium status: a review. European Journal of Clinical Nutrition, 2004, 58, 391-402.	1.3	621
35	Exploiting Micronutrient Interaction to Optimize Biofortification Programs: The Case for Inclusion of Selenium and Iodine in theHarvestPlusProgram. Nutrition Reviews, 2004, 62, 247-252.	2.6	78
36	Environmental hypothesis: is poor dietary selenium intake an underlying factor for arsenicosis and cancer in Bangladesh and West Bengal, India?. Science of the Total Environment, 2004, 323, 21-32.	3.9	129
37	Selenium Concentrations and Glutathione Peroxidase Activities in Blood of Patients Before and After Allogenic Kidney Transplantation. Biological Trace Element Research, 2004, 97, 1-14.	1.9	36
38	Selenium Status, Birth Weight, and Breast-Feeding: Pattern in the First Month. Biological Trace Element Research, 2004, 99, 071-082.	1.9	12
39	Selenium and selenoproteins in mammals: extraordinary, essential, enigmatic. Cellular and Molecular Life Sciences, 2004, 61, 1988-95.	2.4	171
40	Selenium and glutathione peroxidases in blood of patients with different stages of chronic renal failure. Journal of Trace Elements in Medicine and Biology, 2004, 17, 291-299.	1.5	56

#	Article	IF	Citations
42	The Selenophosphate Synthetase Gene fromLeishmania major. DNA Sequence, 2004, 15, 66-70.	0.7	8
43	Effect of Selenate Supplementation on Glycoalkaloid Content of Potato (Solanum tuberosumL.). Journal of Agricultural and Food Chemistry, 2004, 52, 7139-7143.	2.4	11
44	Farmed and wild fish in the prevention of cardiovascular diseases: Assessing possible differences in lipid nutritional values. Nutrition, Metabolism and Cardiovascular Diseases, 2004, 14, 34-41.	1.1	123
45	Prospective study of serum selenium concentrations and esophageal and gastric cardia cancer, heart disease, stroke, and total death. American Journal of Clinical Nutrition, 2004, 79, 80-85.	2.2	224
46	An increase in selenium intake improves immune function and poliovirus handling in adults with marginal selenium status. American Journal of Clinical Nutrition, 2004, 80, 154-162.	2.2	329
47	Recent highly cited articles in theBritish Journal of Nutrition(includingSupplements): An update. British Journal of Nutrition, 2004, 92, 1-3.	1.2	23
48	Are there functional consequences of a reduction in selenium intake in UK subjects?. Proceedings of the Nutrition Society, 2004, 63, 513-517.	0.4	18
51	Current Evidence and Research Needs to Support a Health Claim for Selenium and Cancer Prevention. Journal of Nutrition, 2005, 135, 343-347.	1.3	162
52	Tempus fugitâ€“ evolution and current impact of theBritish Journal of Nutrition. British Journal of Nutrition, 2005, 94, 299-301.	1.2	3
53	Roles of Selenium in Function of the Brain. Nutrition, Brain and Behavior, 2005, , .	0.2	0
54	Exploiting genotypic variation in plant nutrient accumulation to alleviate micronutrient deficiency in populations. Journal of Trace Elements in Medicine and Biology, 2005, 18, 319-324.	1.5	66
55	Biogeochemistry of selenium and its impact on food chain quality and human health. Journal of Trace Elements in Medicine and Biology, 2005, 18, 309-318.	1.5	533
56	Selenium in Australia: Selenium status and biofortification of wheat for better health. Journal of Trace Elements in Medicine and Biology, 2005, 19, 75-82.	1.5	90
57	Selenium Levels in Blood of Upper Silesian Population: Evidence of Suboptimal Selenium Status in a Significant Percentage of the Population. Biological Trace Element Research, 2005, 108, 001-016.	1.9	60
58	Selenium Accumulation in Plant Foods. Nutrition Reviews, 2005, 63, 196-202.	2.6	86
59	Current mass spectrometry strategies for selenium speciation in dietary sources of high-selenium. Analytical and Bioanalytical Chemistry, 2005, 382, 957-967.	1.9	80
60	Characterisation of selenium compounds in rye seedling biomass using 75Se-labelling/SDS-PAGE separation/Î³-scintillation counting, and HPLC-ICP-MS analysis of a range of enzymatic digests. Analytical and Bioanalytical Chemistry, 2005, 382, 1279-1287.	1.9	15
61	Selenium Levels in Mainland Portugal. Water, Air, and Soil Pollution, 2005, 166, 167-179.	1.1	15

#	Article	IF	Citations
62	Brief Report: Towards a dietary prevention of hereditary breast cancer. Cancer Causes and Control, 2005, 16, 125-138.	0.8	37
63	Selenium concentration in wheat grain: Is there sufficient genotypic variation to use in breeding?. Plant and Soil, 2005, 269, 369-380.	1.8	175
65	Changes in the chemical form of selenium observed during the manufacture of a selenium-enriched sourdough bread for use in a human nutrition study. Food Additives and Contaminants, 2005, 22, 135-140.	2.0	24
66	The effect of selenium on thyroid status in a population with marginal selenium and iodine status. British Journal of Nutrition, 2005, 94, 962-968.	1.2	51
67	Selenium and Mortality in the Elderly: Results from the EVA Study. Clinical Chemistry, 2005, 51, 2117-2123.	1.5	168
68	Selenium Distribution in Wheat Grain, and the Effect of Postharvest Processing on Wheat Selenium Content. Biological Trace Element Research, 2005, 103, 155-168.	1.9	74
69	Selenium and vitamin status in the Alâ€Kharj district, Saudi Arabia. Journal of Nutritional and Environmental Medicine, 2005, 15, 190-211.	0.1	0
70	Biofortifying crops with essential mineral elements. Trends in Plant Science, 2005, 10, 586-593.	4.3	768
71	Selenium in cancer prevention: a review of the evidence and mechanism of action. Proceedings of the Nutrition Society, 2005, 64, 527-542.	0.4	704
73	State of the art report of selenium speciation in biological samples. Journal of Analytical Atomic Spectrometry, 2006, 21, 639-654.	1.6	89
74	Impact of Selenium on Mood and Quality of Life: A Randomized, Controlled Trial. Biological Psychiatry, 2006, 59, 147-154.	0.7	91
75	Distribution of Selenium in Different Biochemical Fractions and Raw Darkening Degree of Potato (Solanum tuberosum L.) Tubers Supplemented with Selenate. Journal of Agricultural and Food Chemistry, 2006, 54, 8617-8622.	2.4	44
76	Distribution of urinary selenium and arsenic among pregnant women exposed to arsenic in drinking water. Environmental Research, 2006, 100, 115-122.	3.7	65
77	Determination of selenium species in plant leaves by HPLCâ€“UVâ€“HG-AFS. Talanta, 2006, 68, 558-568.	2.9	79
80	Serum selenium determinants in French adults: the SU.VI.M.AX study. British Journal of Nutrition, 2006, 95, 313-320.	1.2	98
81	Bioavailability of Selenium from Foods. Nutrition Reviews, 2006, 64, 146-151.	2.6	161
82	Selenium and antioxidant vitamin status of elderly German women. European Journal of Clinical Nutrition, 2006, 60, 85-91.	1.3	27
83	Speciation of Se in Bertholletia excelsa (Brazil nut): A hard nut to crack?. Food Chemistry, 2006, 95, 684-692.	4.2	65

#	Article	IF	Citations
84	Effects of baseline serum levels of Se on markers of eccentric exerciseâ€induced muscle injury. BioFactors, 2006, 26, 161-170.	2.6	19
85	The Influence of Long-term Mercury Exposure on Selenium Availability in Tissues: An Evaluation of Data. BioMetals, 2006, 19, 283-294.	1.8	39
86	Determination of Selenium Concentration in Serum and Toenail as an Indicator of Selenium Status. Bulletin of Environmental Contamination and Toxicology, 2006, 77, 155-163.	1.3	12
87	Selenium speciation from food source to metabolites: a critical review. Analytical and Bioanalytical Chemistry, 2006, 385, 1304-1323.	1.9	402
88	Historical shifts in the seed mineral micronutrient concentration of US hard red winter wheat germplasm. Journal of the Science of Food and Agriculture, 2006, 86, 2213-2220.	1.7	212
89	Genotoxicity Studies on Sel-PlexÂ®, a Standardized, Registered High-Selenium Yeast. International Journal of Toxicology, 2006, 25, 477-485.	0.6	11
90	Die medizinische Bedeutung von Selen / The clinical relevance of selenium. Das Medizinische Laboratorium, 2006, 30, 201-208.	0.0	0
91	Colorectal Cancer Protective Effects and the Dietary Micronutrients Folate, Methionine, Vitamins B6, B12, C, E, Selenium, and Lycopene. Nutrition and Cancer, 2006, 56, 11-21.	0.9	128
92	Soil, geography and human disease: a critical review of the importance of medical cartography. Progress in Physical Geography, 2006, 30, 490-512.	1.4	26
93	How to use the world's scarce selenium resources efficiently to increase the selenium concentration in food. Microbial Ecology in Health and Disease, 2007, 19, 209-228.	3.8	168
94	Time course and relationship between plasma selenium concentrations, systemic inflammatory response, sepsis, and multiorgan failure. British Journal of Anaesthesia, 2007, 98, 775-784.	1.5	146
95	Effect of selenium fertilizer source and rate on grain yield and selenium and cadmium concentration of durum wheat. Canadian Journal of Plant Science, 2007, 87, 703-708.	0.3	41
96	Serum selenium concentrations and dietary selenium intake of New Zealand children aged 5â€“14 years. British Journal of Nutrition, 2007, 97, 357-364.	1.2	27
97	Serum Selenium and Diabetes in U.S. Adults. Diabetes Care, 2007, 30, 829-834.	4.3	346
98	Racial Differences in Serum Selenium Concentration: Analysis of US Population Data from the Third National Health and Nutrition Examination Survey. American Journal of Epidemiology, 2007, 166, 280-288.	1.6	33
100	Effects of Long-Term Selenium Supplementation on the Incidence of Type 2 Diabetes. Annals of Internal Medicine, 2007, 147, 217.	2.0	614
101	Dependence of blood indices of selenium and mercury on estimated fish intake in a national survey of British adults. Public Health Nutrition, 2007, 10, 508-517.	1.1	29
102	Methane mixed plasmaâ€"improved sensitivity of inductively coupled plasma mass spectrometry detection for selenium speciation analysis of wheat-based food. Journal of Analytical Atomic Spectrometry, 2007, 22, 370-376.	1.6	45

#	Article	IF	Citations
103	A Prospective Study of Blood Selenium Levels and the Risk of Arsenic-Related Premalignant Skin Lesions. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 207-213.	1.1	99
104	Determination of selenium by flow injection hydride generation inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2007, 22, 298-304.	1.6	21
105	From Selenium to Selenoproteins: Synthesis, Identity, and Their Role in Human Health. Antioxidants and Redox Signaling, 2007, 9, 775-806.	2.5	1,089
107	Increased intakes of selenium-enriched foods may benefit human health. Journal of the Science of Food and Agriculture, 2007, 87, 1620-1629.	1.7	57
108	Factors associated with longitudinal plasma selenium decline in the elderly: The EVA Study. Journal of Nutritional Biochemistry, 2007, 18, 482-487.	1.9	62
109	Selenium status in Southern Tasmania. European Journal of Clinical Nutrition, 2007, 61, 1057-1063.	1.3	9
110	Genotypic and environmental effects on selenium concentration of broccoli heads grown without supplemental selenium fertilizer. Plant Breeding, 2007, 126, 195-200.	1.0	15
111	Effect of inorganic and organic forms of selenium supplementation on development of larval HeliothisÂvirescens. Entomologia Experimentalis Et Applicata, 2007, 125, 171-178.	0.7	15
112	Bioaccessible selenium in Italian agricultural soils: Comparison of the biogeochemical approach with a regression model based on geochemical and pedoclimatic variables. Science of the Total Environment, 2007, 376, 160-177.	3.9	60
113	Molecular genetic approaches to increasing mineral availability and vitamin content of cereals. Journal of Cereal Science, 2007, 46, 308-326.	1.8	142
114	Strategies for increasing the selenium content of wheat. Journal of Cereal Science, 2007, 46, 282-292.	1.8	196
115	Evaluation of the Inorganic Selenium Biotransformation in Selenium-Enriched Yogurt by HPLC-ICP-MS. Journal of Agricultural and Food Chemistry, 2007, 55, 9776-9783.	2.4	46
116	Effects of soil compaction and irrigation on the concentrations of selenium and arsenic in wheat grains. Science of the Total Environment, 2007, 372, 433-439.	3.9	62
117	Selenium content in selected Portuguese foodstuffs. European Food Research and Technology, 2007, 224, 395-401.	1.6	36
118	The Effect of Consumption of Selenium Enriched Rye/Wheat Sourdough Bread on the Bodyâ€™s Selenium Status. Plant Foods for Human Nutrition, 2007, 62, 121-126.	1.4	20
119	Selenium status of South Bohemia seniors characterized by INAA of blood serum. Journal of Radioanalytical and Nuclear Chemistry, 2008, 278, 537-541.	0.7	1
120	Differential Effects of Doses and Forms of Dietary Selenium on Immune Cell Numbers in the Skin of Ultraviolet-irradiated and Unirradiated Mice. Biological Trace Element Research, 2008, 125, 255-267.	1.9	4
121	Selenium Status of the Australian Population: Effect of Age, Gender and Cardiovascular Disease. Biological Trace Element Research, 2008, 126, 1-10.	1.9	60

#	Article	IF	Citations
122	Selenium interactions with essential and toxic elements in egg yolk from commercial and fortified eggs. Journal of Trace Elements in Medicine and Biology, 2008, 22, 234-241.	1.5	23
123	Selenium species in leaves of chicory, dandelion, lambâ€™s lettuce and parsley. Food Chemistry, 2008, 107, 75-83.	4.2	64
124	Selenium uptake, translocation and speciation in wheat supplied with selenate or selenite. New Phytologist, 2008, 178, 92-102.	3.5	593
125	Plasma Selenium Measurements in Subjects from Areas with Contrasting Gastric Cancer Risks in Colombia. Archives of Medical Research, 2008, 39, 443-451.	1.5	17
126	Bioavailability of selenium from selenium-enriched milk assessed in the artificially reared neonatal pig. Nutrition and Dietetics, 2008, 65, S37-S40.	0.9	15
127	Selenium, immune function and resistance to viral infections. Nutrition and Dietetics, 2008, 65, S41.	0.9	36
128	Historical changes in the concentrations of selenium in soil and wheat grain from the Broadbalk experiment over the last 160Âyears. Science of the Total Environment, 2008, 389, 532-538.	3.9	44
129	Selenium in food and the human body: A review. Science of the Total Environment, 2008, 400, 115-141.	3.9	678
130	Wild-Type Food in Health Promotion and Disease Prevention. , 2008, , .		15
131	Ukrainian dietary bakery product with selenium-enriched yeast. LWT - Food Science and Technology, 2008, 41, 890-895.	2.5	35
132	Sudden Cardiac Death in Association With the Ketogenic Diet. Pediatric Neurology, 2008, 39, 429-431.	1.0	72
133	Speciation Analysis of Selenium Metabolites in Yeast-Based Food Supplements by ICPMSâ€"Assisted Hydrophilic Interaction HPLCâ€"Hybrid Linear Ion Trap/Orbitrap MSⁿ. Analytical Chemistry, 2008, 80, 3975-3984.	3.2	65
134	Se-methylselenocysteine alters collagen gene and protein expression in human prostate cells. Cancer Letters, 2008, 269, 117-126.	3.2	29
135	Selenoproteins and maternal nutrition. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 151, 361-372.	0.7	163
136	Food-chain selenium and human health: emphasis on intake. British Journal of Nutrition, 2008, 100, 254-268.	1.2	644
137	Acceleration of enzymatic hydrolysis of protein-bound selenium by focused microwave energy. Journal of Analytical Atomic Spectrometry, 2008, 23, 487.	1.6	44
138	Selenium in Edible Mushrooms. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2008, 26, 256-299.	2.9	185
139	Soilâ€Applied Selenium Effects on Tissue Selenium Concentrations in Cultivated and Adventitious Grassland and Pasture Plant Species. Communications in Soil Science and Plant Analysis, 2008, 39, 800-811.	0.6	12

#	Article	IF	Citations
140	High Potential for Selenium Biofortification of Lentils (Lens culinaris L.). Journal of Agricultural and Food Chemistry, 2008, 56, 10747-10753.	2.4	109
141	Selenium Speciation and Bioavailability in Biofortified Products Using Species-Unspecific Isotope Dilution and Reverse Phase Ion Pairingâ^'Inductively Coupled Plasmaâ^'Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2008, 56, 1772-1779.	2.4	46
142	Negative Confounding in the Evaluation of Toxicity: The Case of Methylmercury in Fish and Seafood. Critical Reviews in Toxicology, 2008, 38, 877-893.	1.9	115
143	Food-chain selenium and human health: spotlight on speciation. British Journal of Nutrition, 2008, 100, 238-253.	1.2	369
144	Serum Selenium Levels and All-Cause, Cancer, and Cardiovascular Mortality Among US Adults. Archives of Internal Medicine, 2008, 168, 404.	4.3	296
145	Vitamin and mineral fortification of foods. , 2008, , 27-40.		3
146	Selenite reactivates silenced genes by modifying DNA methylation and histones in prostate cancer cells. Carcinogenesis, 2008, 29, 2175-2181.	1.3	143
147	Producing specialist poultry products to meet human nutrition requirements: Selenium enriched eggs. World's Poultry Science Journal, 2008, 64, 85-98.	1.4	40
148	Selenium supplementation of lactating dairy cows: effects on milk production and total selenium content and speciation in blood, milk and cheese. Animal, 2008, 2, 1610-1618.	1.3	59
149	Seleniumâ€enriched yeast as source for selenium added for nutritional purposes in foods for particular nutritional uses and foods (including food supplements) for the general population â€• Scientific Opinion of the Panel on Food Additives, Flavourings, Processing Aids and Materials in Contact with Food. EFSA Journal, 2008, 6, 766.	0.9	12
150	The Impact of Trace Elements from Plants on Human Nutrition A Case for Biofortification. , 2008, , 1-15.		2
151	Selenium intake and cardiovascular risk: what is new?. Current Opinion in Lipidology, 2008, 19, 43-49.	1.2	87
152	Serum Selenium Levels in Healthy Women in Tabriz, Iran. Food and Nutrition Bulletin, 2008, 29, 83-86.	0.5	17
153	Brazil nuts: an effective way to improve selenium status. American Journal of Clinical Nutrition, 2008, 87, 379-384.	2.2	156
154	Selenium status of term infants fed selenium-supplemented formula in a randomized dose-response trial. American Journal of Clinical Nutrition, 2008, 88, 70-76.	2.2	13
155	Supplementation of healthy volunteers with nutritionally relevant amounts of selenium increases the expression of lymphocyte protein biosynthesis genes. American Journal of Clinical Nutrition, 2008, 87, 181-189.	2.2	108
156	Effect of dietary supplementation with selenium-enriched yeast or sodium selenite on selenium tissue distribution and meat quality in beef cattle1. Journal of Animal Science, 2008, 86, 3100-3109.	0.2	109
157	Selenium Status and Cardiovascular Risk Profile in Healthy Adult Saudi Males. Molecules, 2009, 14, 141-159.	1.7	13

#	Article	IF	Citations
158	L-selenomethionine as a source of selenium added for nutritional purposes to food supplements. EFSA Journal, 2009, 7, 1082.	0.9	6
159	Serum selenium status in a group of 386 volunteers from the Czech Republic Rescue Fire Brigades. Mediterranean Journal of Nutrition and Metabolism, 2009, 2, 133-138.	0.2	2
160	The case for re-evaluating the upper limit value for selenium in drinking water in Europe. Journal of Water and Health, 2009, 7, 630-641.	1.1	12
161	AcumulaciÃ³n de selenio en setas silvestres comestibles: captaciÃ³n y toxicidad Selenium accumulation in wild edible mushrooms: uptake and toxicity. CYTA - Journal of Food, 2009, 7, 217-223.	0.9	4
162	Serum Selenium and Peripheral Arterial Disease: Results From the National Health and Nutrition Examination Survey, 2003-2004. American Journal of Epidemiology, 2009, 169, 996-1003.	1.6	77
163	The effect of selenium, as selenomethionine, on genome stability and cytotoxicity in human lymphocytes measured using the cytokinesis-block micronucleus cytome assay. Mutagenesis, 2009, 24, 225-232.	1.0	37
165	Post-Translational Regulation of AtFER2 Ferritin in Response to Intracellular Iron Trafficking during Fruit Development in Arabidopsis. Molecular Plant, 2009, 2, 1095-1106.	3.9	64
166	Selenoprotein S/SEPS1 Modifies Endoplasmic Reticulum Stress in Z Variant Î±1-Antitrypsin Deficiency. Journal of Biological Chemistry, 2009, 284, 16891-16897.	1.6	56
167	Serum Selenium Concentrations and Diabetes in U.S. Adults: National Health and Nutrition Examination Survey (NHANES) 2003â€“2004. Environmental Health Perspectives, 2009, 117, 1409-1413.	2.8	227
168	Serum Selenium Concentrations and Hypertension in the US Population. Circulation: Cardiovascular Quality and Outcomes, 2009, 2, 369-376.	0.9	124
169	Designing Fish for Improved Human Health Status. Nutrition and Health, 2009, 20, 1-9.	0.6	10
170	Methods of assessment of selenium status in humans: a systematic review. American Journal of Clinical Nutrition, 2009, 89, 2025S-2039S.	2.2	239
171	Selenium Characterization in the Global Rice Supply Chain. Environmental Science & Technology, 2009, 43, 6024-6030.	4.6	191
172	Changing blood lead levels and DNA damage (comet assay) among immigrant women in Taiwan. Science of the Total Environment, 2009, 407, 5931-5936.	3.9	10
173	Variation in mineral micronutrient concentrations in grain of wheat lines of diverse origin. Journal of Cereal Science, 2009, 49, 290-295.	1.8	423
174	Selenium prevents cognitive decline and oxidative damage in rat model of streptozotocin-induced experimental dementia of Alzheimer's type. Brain Research, 2009, 1281, 117-127.	1.1	179
175	Influence of selenium dose on mercury distribution and retention in suckling rats. Journal of Applied Toxicology, 2009, 29, 585-589.	1.4	15
176	Selenium and vitamin E concentrations in human milk and formula milk from Hungary. Journal of Radioanalytical and Nuclear Chemistry, 2009, 279, 585-590.	0.7	14

#	Article	IF	Citations
177	Profile of selenium in soil and crops in seleniferous area of Punjab, India by neutron activation analysis. Journal of Radioanalytical and Nuclear Chemistry, 2009, 281, 59-62.	0.7	53
178	Determination of selenium in food matrices by replicate sample neutron activation analysis. Journal of Radioanalytical and Nuclear Chemistry, 2009, 281, 197-200.	0.7	3
179	Determination of selenium daily intakes in two small groups of the Portuguese population by replicate sample neutron activation analysis. Journal of Radioanalytical and Nuclear Chemistry, 2009, 281, 193-196.	0.7	4
180	Serum Total Selenium Status in Greek Adults and Its Relation to Age. The ATTICA Study Cohort. Biological Trace Element Research, 2009, 128, 8-17.	1.9	48
181	Serum selenium status in a group of 386 volunteers from the Czech Republic Rescue Fire Brigades. Mediterranean Journal of Nutrition and Metabolism, 2009, 2, 133-138.	0.2	4
182	Production of Chlorella biomass enriched by selenium and its use in animal nutrition: a review. Applied Microbiology and Biotechnology, 2009, 83, 1001-1008.	1.7	78
183	Biomarkers of selenium status in the amazonian context: Blood, urine and sequential hair segments. Journal of Exposure Science and Environmental Epidemiology, 2009, 19, 213-222.	1.8	31
184	Biofortification of crops with seven mineral elements often lacking in human diets â€“ iron, zinc, copper, calcium, magnesium, selenium and iodine. New Phytologist, 2009, 182, 49-84.	3.5	1,667
185	Determination of selenium in natural waters by adsorptive differential pulse cathodic stripping voltammetry. Journal of Hazardous Materials, 2009, 168, 542-547.	6.5	25
186	Effect of supplementation with Se-enriched yeast and factors influencing Se concentration in plasma of transplant recipients. Journal of Trace Elements in Medicine and Biology, 2009, 23, 36-42.	1.5	4
187	Determination of ultratrace levels of selenium in fruit and vegetable samples grown and consumed in Portugal. Food Chemistry, 2009, 115, 200-206.	4.2	28
188	Novel approaches for selenium speciation in foodstuffs and biological specimens: A review. Analytica Chimica Acta, 2009, 634, 135-152.	2.6	239
189	Wheat. Journal of Experimental Botany, 2009, 60, 1537-1553.	2.4	981
190	Effect of high dose selenium enriched yeast diets on the distribution of total selenium and selenium species within lamb tissues. Livestock Science, 2009, 122, 63-67.	0.6	29
191	Arsenic Limits Trace Mineral Nutrition (Selenium, Zinc, and Nickel) in Bangladesh Rice Grain. Environmental Science & Technology, 2009, 43, 8430-8436.	4.6	99
192	Simultaneous Extraction of Arsenic and Selenium Species From Rice Products by Microwave-Assisted Enzymatic Extraction and Analysis by Ion Chromatography-Inductively Coupled Plasma-Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2009, 57, 3005-3013.	2.4	87
193	Screening of selenium containing proteins in the Tris-buffer soluble fraction of African catfish (Clarias gariepinus) fillets by laser ablation-ICP-MS after SDS-PAGE and electroblotting onto membranes. Journal of Analytical Atomic Spectrometry, 2009, 24, 775.	1.6	30
194	Selenometabolomics: Identification of selenometabolites and specification of their biological significance by complementary use of elemental and molecular mass spectrometry. Journal of Analytical Atomic Spectrometry, 2009, 24, 1477.	1.6	70

#	Article	IF	Citations
195	Meta-analysis of the effect of oral selenium supplementation on milk selenium concentration in cattle. Journal of Dairy Science, 2009, 92, 324-342.	1.4	77
196	Selenium in Oncology: From Chemistry to Clinics. Molecules, 2009, 14, 3975-3988.	1.7	74
198	Variability of selected trace elements of different meat cuts determined by ICP-MS and DRC-ICPMS. Animal, 2009, 3, 166-172.	1.3	68
200	Se-methyl-L-selenocysteine added as a source of selenium for nutritional purposes to food supplements. EFSA Journal, 2009, 7, 1067.	0.9	2
201	Determination of Selenomethionine by High-Performance Liquid Chromatographyâ€“Fluorescence Detection Coupled with On-line Oxidation. Analytical Sciences, 2009, 25, 63-65.	0.8	9
202	Nutritional status of selenium in Alzheimer's disease patients. British Journal of Nutrition, 2010, 103, 803-806.	1.2	141
203	Physiological characteristics of selenite uptake by maize roots in response to different pH levels. Journal of Plant Nutrition and Soil Science, 2010, 173, 417-422.	1.1	26
204	Multicenter, Phase 3 Trial Comparing Selenium Supplementation With Observation in Gynecologic Radiation Oncology. International Journal of Radiation Oncology Biology Physics, 2010, 78, 828-835.	0.4	100
205	Dietary habits of Greek adults and serum total selenium concentration: the ATTICA study. European Journal of Nutrition, 2010, 49, 465-472.	1.8	16
206	Biochemical observations relating to oxidant stress injury in Chernobyl clean-up workers (â€œliquidatorsâ€) from Latvia. Inflammopharmacology, 2010, 18, 17-23.	1.9	5
207	Critical evaluation of strategies for mineral fortification of staple food crops. Transgenic Research, 2010, 19, 165-180.	1.3	236
208	Global impacts of human mineral malnutrition. Plant and Soil, 2010, 335, 133-154.	1.8	304
209	Selenium biofortification of high-yielding winter wheat (Triticum aestivum L.) by liquid or granular Se fertilisation. Plant and Soil, 2010, 332, 5-18.	1.8	242
210	Selenium in cereals: improving the efficiency of agronomic biofortification in the UK. Plant and Soil, 2010, 332, 1-4.	1.8	55
211	Plant availability of soil selenate additions and selenium distribution within wheat and ryegrass. Plant and Soil, 2010, 333, 301-313.	1.8	41
212	Agronomic biofortification of Brassica with seleniumâ€”enrichment of SeMet and its identification in Brassica seeds and meal. Plant and Soil, 2010, 337, 273-283.	1.8	75
213	Elevated levels of selenium in the typical diet of Amazonian riverside populations. Science of the Total Environment, 2010, 408, 4076-4084.	3.9	64
214	Aqua regia extractable selenium concentrations of some Scottish topsoils measured by ICPâ€MS and the relationship with mineral and organic soil components. Journal of the Science of Food and Agriculture, 2010, 90, 972-980.	1.7	20

#	Article	IF	Citations
215	Establishing optimal selenium status: results of a randomized, double-blind, placebo-controlled trial. American Journal of Clinical Nutrition, 2010, 91, 923-931.	2.2	226
216	Influence of Sulfur Deficiency on the Expression of Specific Sulfate Transporters and the Distribution of Sulfur, Selenium, and Molybdenum in Wheat. Plant Physiology, 2010, 153, 327-336.	2.3	151
217	Selenium enrichment of table eggs. Poultry Science, 2010, 89, 2166-2172.	1.5	34
218	Involvement of Silicon Influx Transporter OsNIP2;1 in Selenite Uptake in Rice Â Â. Plant Physiology, 2010, 153, 1871-1877.	2.3	232
219	Too much or too little? A review of the conundrum of selenium. Journal of Water and Health, 2010, 8, 405-416.	1.1	56
220	Natural enrichment of selenium in Saskatchewan field peas (Pisum sativum L.).. Canadian Journal of Plant Science, 2010, 90, 383-389.	0.3	24
221	Selenium and Mercury in the Brazilian Amazon: Opposing Influences on Age-Related Cataracts. Environmental Health Perspectives, 2010, 118, 1584-1589.	2.8	69
222	The choice of biomarkers determines the selenium status in young German vegans and vegetarians. British Journal of Nutrition, 2010, 104, 1601-1604.	1.2	60
223	The relation between amyotrophic lateral sclerosis and inorganic selenium in drinking water: a population-based case-control study. Environmental Health, 2010, 9, 77.	1.7	66
224	Selenium or No Selenium- That Is the Question in Tumor Patients: A New Controversy. Integrative Cancer Therapies, 2010, 9, 136-141.	0.8	74
225	Arsenic Influence on Genetic Variation in Grain Trace-Element Nutrient Content in Bengal Delta Grown Rice. Environmental Science & Technology, 2010, 44, 8284-8288.	4.6	29
226	Distribution and Translocation of Selenium from Soil to Grain and Its Speciation in Paddy Rice (Oryza sativa L.). Environmental Science & Technology, 2010, 44, 6706-6711.	4.6	105
227	Selenium Speciation in Soil and Rice: Influence of Water Management and Se Fertilization. Journal of Agricultural and Food Chemistry, 2010, 58, 11837-11843.	2.4	118
228	Changes in Selenium Speciation Associated with Increasing Tissue Concentrations of Selenium in Wheat Grain. Journal of Agricultural and Food Chemistry, 2010, 58, 2295-2301.	2.4	122
229	Genetics and phenomics of selenoenzymesâ€"How to identify an impaired biosynthesis?. Molecular and Cellular Endocrinology, 2010, 322, 114-124.	1.6	13
230	Selenium concentration in food and blood of residents of Abeokuta Metropolis, Southwestern Nigeria. Journal of Geochemical Exploration, 2010, 107, 175-179.	1.5	12
231	The impact of common micronutrient deficiencies on iodine and thyroid metabolism: the evidence from human studies. Best Practice and Research in Clinical Endocrinology and Metabolism, 2010, 24, 117-132.	2.2	69
232	Selenium status and cardiometabolic health: State of the evidence. Nutrition, Metabolism and Cardiovascular Diseases, 2010, 20, 754-760.	1.1	104

#	Article	IF	Citations
233	NanoSIMS analysis of arsenic and selenium in cereal grain. New Phytologist, 2010, 185, 434-445.	3.5	126
234	Problem of Applying Sodium Selenate to Increase Selenium Concentration in Grassland Plants in Southern Belgium. Communications in Soil Science and Plant Analysis, 2010, 41, 1283-1292.	0.6	3
235	Selenium speciation in different organs of African catfish (Clarias gariepinus) enriched through a selenium-enriched garlic based diet. Journal of Analytical Atomic Spectrometry, 2011, 26, 116-125.	1.6	22
236	Impact of Wheat Grain Selenium Content Variation on Milling and Bread Baking. Cereal Chemistry, 2011, 88, 195-200.	1.1	8
237	Selenium and Alzheimer's Disease: A Systematic Review. Journal of Alzheimer's Disease, 2011, 26, 81-104.	1.2	158
238	Selenium and preeclampsia: A global perspective. Pregnancy Hypertension, 2011, 1, 213-224.	0.6	31
239	Biofortification of Tomato (Solanum lycopersicum) Fruit with the Anticancer Compound Methylselenocysteine Using a Selenocysteine Methyltransferase from a Selenium Hyperaccumulator. Journal of Agricultural and Food Chemistry, 2011, 59, 10987-10994.	2.4	31
240	Evaluation of toxic effects of a diet containing fish contaminated with methylmercury in rats mimicking the exposure in the Amazon riverside population. Environmental Research, 2011, 111, 1074-1082.	3.7	25
241	Protective effect of selenium on aluminium-induced oxidative stress in mouse liver in vivo. Environmental Toxicology and Pharmacology, 2011, 31, 302-306.	2.0	31
242	Selenium in Human Health and Disease. Antioxidants and Redox Signaling, 2011, 14, 1337-1383.	2.5	1,003
243	Influence of selenium and/or magnesium on alleviation alcohol induced oxidative stress in rats, normalization function of liver and changes in serum lipid parameters. Human and Experimental Toxicology, 2011, 30, 1811-1827.	1.1	32
244	Effect of duration and level of supplementation of diets of lactating dairy cows with selenized yeast on selenium concentrations in milk and blood after the withdrawal of supplementation. Journal of Dairy Science, 2011, 94, 2351-2359.	1.4	11
245	Arsenic Exposure and Motor Function among Children in Bangladesh. Environmental Health Perspectives, 2011, 119, 1665-1670.	2.8	160
246	Selenium Concentrations of Selected Medicinal and Aromatic Plants in Turkey. Natural Product Communications, 2011, 6, 1934578X1100601.	0.2	7
247	Application and adaptation of the in vitro micronucleus assay for the assessment of nutritional requirements of cells for DNA damage prevention. Mutagenesis, 2011, 26, 193-197.	1.0	18
248	Selenium in Seafood Materials. Journal of Health Science, 2011, 57, 215-224.	0.9	20
249	Generation of Seâ€fortified broccoli as functional food: impact of Se fertilization on S metabolism. Plant, Cell and Environment, 2011, 34, 192-207.	2.8	59
250	Comparison of different selenocompounds with respect to nutritional value vs. toxicity using liver cells in culture. Journal of Nutritional Biochemistry, 2011, 22, 945-955.	1.9	102

#	Article	IF	Citations
251	Plasma selenium concentrations in pregnant women in two countries with contrasting soil selenium levels. Journal of Trace Elements in Medicine and Biology, 2011, 25, 230-235.	1.5	15
252	Reproductive toxicity of di(2-ethylhexyl) phthalate in selenium-supplemented and selenium-deficient rats. Drug and Chemical Toxicology, 2011, 34, 379-389.	1.2	45
253	The potential of lentil (Lens culinaris L.) as a whole food for increased selenium, iron, and zinc intake: preliminary results from a 3Âyear study. Euphytica, 2011, 180, 123-128.	0.6	99
254	Selenium fractions in selenate-fertilized field soils of Finland. Nutrient Cycling in Agroecosystems, 2011, 91, 17-29.	1.1	37
255	Selenium accumulation in lettuce germplasm. Planta, 2011, 233, 649-660.	1.6	82
256	Surveying selenium speciation from soil to cellâ€"forms and transformations. Analytical and Bioanalytical Chemistry, 2011, 399, 1743-1763.	1.9	64
257	Trace elements and ageing, a genomic perspective using selenium as an example. Journal of Trace Elements in Medicine and Biology, 2011, 25, S11-S16.	1.5	52
258	Natural Variation in Grain Selenium Concentration of Wild Barley, Hordeum spontaneum, Populations from Israel. Biological Trace Element Research, 2011, 142, 773-786.	1.9	24
259	Accumulation and Speciation of Selenium in Plants as Affected by Arbuscular Mycorrhizal Fungus Glomus mosseae. Biological Trace Element Research, 2011, 143, 1789-1798.	1.9	30
260	Background Values for Essential and Toxic Elements in Childrenâ€™s Nails and Correlation with Hair Levels. Biological Trace Element Research, 2011, 144, 339-350.	1.9	30
261	Responses of Growing Japanese Quails that Received Selenium from Selenium Enriched Kale Sprout (Brassica oleracea var. alboglabra L.). Biological Trace Element Research, 2011, 144, 760-768.	1.9	9
262	Seasonal variation of microelement contents in leaves of Cyclocarea paliurus among the provenances. Journal of Forestry Research, 2011, 22, 225-231.	1.7	5
263	Determinants of selenium status in healthy adults. Nutrition Journal, 2011, 10, 75.	1.5	117
264	Proteomic characterization of a seleniumâ€metabolizing probiotic Lactobacillus reuteri Lb2 BM for nutraceutical applications. Proteomics, 2011, 11, 2212-2221.	1.3	38
265	A global survey of effects of genotype and environment on selenium concentration in lentils (Lens) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.2	57
266	Recent developments in modifying crops and agronomic practice to improve human health. Food Policy, 2011, 36, S94-S101.	2.8	64
267	Serum selenium levels are inversely associated with death risk among hemodialysis patients. Nephrology Dialysis Transplantation, 2011, 26, 3331-3338.	0.4	56
268	Marginal selenium status in northern Tasmania. British Journal of Nutrition, 2011, 106, 718-724.	1.2	8

#	Article	IF	Citations
269	Selenium uptake response among selected wheat (Triticum aestivum) varieties and relationship with soil selenium fractions. Soil Science and Plant Nutrition, 2011, 57, 823-832.	0.8	29
270	Mechanism(s) of Toxic Action of Zn²⁺and Selenite: A Study on AS-30D Hepatoma Cells and Isolated Mitochondria. Biochemistry Research International, 2011, 2011, 1-13.	1.5	13
271	The Importance of Selenium Biofortification in Food Crops. Current Nutrition and Food Science, 2011, 7, 181-190.	0.3	19
272	Effect of phosphate and sulfate fertilizers on selenium uptake by wheat (Triticum aestivum). Soil Science and Plant Nutrition, 2011, 57, 696-704.	0.8	26
273	Dietary selenium fortification: a potential solution to chronic arsenic toxicity. Toxicological and Environmental Chemistry, 2012, 94, 1453-1465.	0.6	9
274	The effect of different rates of selenium on grain Se concentration and yield of MR219 rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Overlock	1	
275	Evaluation of the Concentration of Nonessential and Essential Elements in Chicken, Pork, and Beef Samples Produced in Brazil. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 1269-1279.	1.1	29
276	Selenium and maternal blood pressure during childbirth. Journal of Exposure Science and Environmental Epidemiology, 2012, 22, 191-197.	1.8	7
277	Blood selenium levels and contribution of food groups to selenium intake in adolescent girls in Iceland. Food and Nutrition Research, 2012, 56, 18476.	1.2	15
278	Potential Health Benefits of Whole Grain Wheat Components. Nutrition Today, 2012, 47, 163-174.	0.6	15
279	Selenium â€“ An Important Antioxidant in Crops Biofortification. , 0, , .		15
280	Influence of serum selenium concentrations on hypertension. Journal of Hypertension, 2012, 30, 1328-1335.	0.3	35
281	Selenato e selenito na produÃ§Ã£o e biofortificaÃ§Ã£o agronÃ´mica com selÃªnio em arroz. Pesquisa Agropecuaria Brasileira, 2012, 47, 831-837.	0.9	33
282	Dietary Habits and Prostate Cancer Prevention: A Review of Observational Studies by Focusing on South America. Nutrition and Cancer, 2012, 64, 23-33.	0.9	24
283	A review of recent developments in the speciation and location of arsenic and selenium in rice grain. Analytical and Bioanalytical Chemistry, 2012, 402, 3275-3286.	1.9	79
284	Identification of selenosugars and other low-molecular weight selenium metabolites in high-selenium cereal crops. Metallomics, 2012, 4, 968.	1.0	51
285	Effect of varying ratios ofn-6andn-3on selenium content in broiler breast muscle. Acta Agriculturae Scandinavica - Section A: Animal Science, 2012, 62, 81-92.	0.2	0
286	Selenium levels in breads from Sakarya, Turkey. Food Additives and Contaminants: Part B Surveillance, 2012, 5, 16-19.	1.3	6

#	Article	IF	Citations
287	Bone Turnover and Bone Mineral Density Are Independently Related to Selenium Status in Healthy Euthyroid Postmenopausal Women. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 4061-4070.	1.8	91
288	Grain Accumulation of Selenium Species in Rice (Oryza sativa L.). Environmental Science & Technology, 2012, 46, 5557-5564.	4.6	82
289	Bioaccessibility of selenium from Se-rich food grains of the seleniferous region of Punjab, India as analyzed by instrumental neutron activation analysis. CYTA - Journal of Food, 2012, 10, 160-164.	0.9	22
290	Bioaccessibility of Se, Cu, Zn, Mn and Fe, and heme iron content in unaged and aged meat of Hereford and Braford steers fed pasture. Meat Science, 2012, 91, 116-124.	2.7	70
291	No evidence of selenosis from a selenium-rich diet in the Brazilian Amazon. Environment International, 2012, 40, 128-136.	4.8	51
292	Monitoring the production process of selenized yeast by elemental speciation analysis. Metallomics, 2012, 4, 1176.	1.0	8
293	Selenium status in soil, water and essential crops of Iran. Iranian Journal of Environmental Health Science & Engineering, 2012, 9, 11.	1.8	31
294	Toxicokinetics and pathology of plant-associated acute selenium toxicosis in steers. Journal of Veterinary Diagnostic Investigation, 2012, 24, 319-327.	0.5	36
296	Selenium speciation in soil extracts using LC-ICP-MS. International Journal of Environmental Analytical Chemistry, 2012, 92, 222-236.	1.8	32
297	Environmental Selenium Research: From Microscopic Processes to Global Understanding. Environmental Science & Technology, 2012, 46, 571-579.	4.6	348
298	Selenium concentrations in national inventory soils from Scotland and Sweden and their relationship with geochemical factors. Journal of Geochemical Exploration, 2012, 121, 4-14.	1.5	33
299	Biogeochemical Processes. , 2012, , 373-388.		0
300	Lactic acid bacteria contribution to gut microbiota complexity: lights and shadows. Frontiers in Cellular and Infection Microbiology, 2012, 2, 86.	1.8	375
302	Mineral Intake. Progress in Molecular Biology and Translational Science, 2012, 108, 201-236.	0.9	17
303	Selenate-Enriched Urea Granules Are a Highly Effective Fertilizer for Selenium Biofortification of Paddy Rice Grain. Journal of Agricultural and Food Chemistry, 2012, 60, 6037-6044.	2.4	65
305	Selenium-Rich Foods: a Promising Approach to Colorectal Cancer Prevention. Current Pharmaceutical Biotechnology, 2012, 13, 165-172.	0.9	24
306	Impact of Selenium Supplementation on Growth and Selenium Accumulation on Spinach (Spinacia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	86
307	Vitamins, Minerals, and Nutritional Value of Durum Wheat 1 1Cynthia Grant is an employee of Agriculture and Agri-Food Canada. Â©Her Majesty the Queen in Right of Canada, as represented by the Minister of Agriculture and Agri-Food Canada.. , 2012, , 125-137.		4

#	Article	IF	Citations
308	A Case-Control Study of the Risk of Cutaneous Melanoma Associated with Three Selenium Exposure Indicators. Tumori, 2012, 98, 287-295.	0.6	37
309	Selenium and cognitive impairment: A briefâ€review based on results from the EVA study. BioFactors, 2012, 38, 139-144.	2.6	61
310	Selenium, selenoproteins and the thyroid gland: interactions in health and disease. Nature Reviews Endocrinology, 2012, 8, 160-171.	4.3	263
311	Serum Selenium Levels in Korean Hepatoma Patients. Biological Trace Element Research, 2012, 148, 25-31.	1.9	15
312	Determination of selenium in selected food samples from Argentina and estimation of their contribution to the Se dietary intake. Food Chemistry, 2012, 134, 1932-1937.	4.2	45
313	Selenium in reproductive health. American Journal of Obstetrics and Gynecology, 2012, 206, 21-30.	0.7	240
314	Toxicity of methimazole on femoral bone in suckling rats: Alleviation by selenium. Experimental and Toxicologic Pathology, 2012, 64, 187-195.	2.1	9
315	Selenium fractionation and speciation in agriculture soils and accumulation in corn (Zea mays L.) under field conditions in Shaanxi Province, China. Science of the Total Environment, 2012, 427-428, 159-164.	3.9	121
316	Supranutritional selenium level affects fatty acid composition and oxidative stability of chicken breast muscle tissue. Journal of Animal Physiology and Animal Nutrition, 2012, 96, 385-394.	1.0	35
317	Impact of Intensive Physical Activity on Selenium Status. Biological Trace Element Research, 2012, 145, 291-299.	1.9	22
318	Determination of selenium in bread-wheat samples grown under a Se-supplementation regime in actual field conditions. Journal of Radioanalytical and Nuclear Chemistry, 2012, 291, 231-235.	0.7	17
319	Changing Blood Lead Levels and Oxidative Stress with Duration of Residence Among Taiwan Immigrants. Journal of Immigrant and Minority Health, 2013, 15, 1048-1056.	0.8	8
320	Assessment of the Anticancer Compounds Se-Methylselenocysteine and Glucosinolates in Se-Biofortified Broccoli (Brassica oleracea L. var. italica) Sprouts and Florets. Journal of Agricultural and Food Chemistry, 2013, 61, 6216-6223.	2.4	57
321	Influence of selenite on selenium uptake, differential antioxidant performance and gene expression of sulfate transporters in wheat genotypes. Plant and Soil, 2013, 369, 47-59.	1.8	16
322	Environmental effects on mineral accumulation in rice grains and identification of ecological specific QTLs. Environmental Geochemistry and Health, 2013, 35, 161-170.	1.8	97
323	A Cross-sectional Study of the Impact of Blood Selenium on Blood and Urinary Arsenic Concentrations in Bangladesh. Environmental Health, 2013, 12, 52.	1.7	40
324	Geological Impacts on Nutrition. , 2013, , 179-194.		8
325	Selenium bioaccessibility and speciation in biofortified Pleurotus mushrooms grown on selenium-rich agricultural residues. Food Chemistry, 2013, 140, 225-230.	4.2	106

#	Article	IF	Citations
326	Soil and foliar application of selenium in rice biofortification. Journal of Food Composition and Analysis, 2013, 31, 238-244.	1.9	156
327	Selective induction of IL-6 by aluminum-induced oxidative stress can be prevented by selenium. Journal of Trace Elements in Medicine and Biology, 2013, 27, 226-229.	1.5	22
328	Heavy Metals in Soils. Environmental Pollution, 2013, , .	0.4	487
329	Selenium Fertilization Alters the Chemical Composition and Antioxidant Constituents of Tomato (Solanum lycopersicon L.). Journal of Agricultural and Food Chemistry, 2013, 61, 10542-10554.	2.4	138
330	Serum selenium and selenoprotein P in patients with silicosis. Journal of Trace Elements in Medicine and Biology, 2013, 27, 40-44.	1.5	10
331	Productivity and Selenium Concentrations in Egg and Tissue of Laying Quails Fed Selenium from Hydroponically Produced Selenium-Enriched Kale Sprout (Brassica oleracea var. alboglabra L.). Biological Trace Element Research, 2013, 155, 381-386.	1.9	13
332	Effects of Supplementation with Selenium, as Selenized Yeast, in a Healthy Male Population from New Zealand. Nutrition and Cancer, 2013, 65, 355-366.	0.9	28
333	The contribution of transgenic plants to better health through improved nutrition: opportunities and constraints. Genes and Nutrition, 2013, 8, 29-41.	1.2	122
334	Biofortification of plants with altered antioxidant content and composition: genetic engineering strategies. Plant Biotechnology Journal, 2013, 11, 129-141.	4.1	102
335	Selenium biofortification in lentil (Lens culinaris Medikus subsp. culinaris): Farmers' field survey and genotypeÃ—environment effect. Food Research International, 2013, 54, 1596-1604.	2.9	34
336	Profiling the ionome of rice and its use in discriminating geographical origins at the regional scale, China. Journal of Environmental Sciences, 2013, 25, 144-154.	3.2	44
337	The need for a reassessment of the safe upper limit of selenium in drinking water. Science of the Total Environment, 2013, 443, 633-642.	3.9	117
338	Impact of temperature, CO₂fixation and nitrate reduction on selenium reduction, by a paddy soilClostridiumstrain. Journal of Applied Microbiology, 2013, 114, 703-712.	1.4	23
340	Association of arsenic with nutrient elements in rice plants. Metallomics, 2013, 5, 784.	1.0	99
341	Determination of trace amounts of Se(IV) by hydride generation atomic fluorescence spectrometry after solid-phase extraction using magnetic multi-walled carbon nanotubes. Talanta, 2013, 112, 123-128.	2.9	39
342	Dynamics of magnesium, copper, selenium and zinc serum concentrations forÂ2-year dietary intervention. E-SPEN Journal, 2013, 8, e100-e107.	0.5	4
343	Selenium content in wheat and estimation of the selenium daily intake in different regions of Algeria. Applied Radiation and Isotopes, 2013, 71, 7-10.	0.7	21
344	Selenobacteria selected from the rhizosphere as a potential tool for Se biofortification of wheat crops. Biology and Fertility of Soils, 2013, 49, 175-185.	2.3	69

#	Article	IF	Citations
345	New Integration Technology on Preparation of Natural Seleniferous Rice Protein Peptide with Enzyme and Ultrasonic-Microwave Synergistic Technology. Advanced Materials Research, 2013, 750-752, 1505-1510.	0.3	0
346	Selenium Status Alters the Immune Response and Expulsion of Adult Heligmosomoides bakeri Worms in Mice. Infection and Immunity, 2013, 81, 2546-2553.	1.0	17
347	Friend or Foe? The Current Epidemiologic Evidence on Selenium and Human Cancer Risk. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2013, 31, 305-341.	2.9	71
348	Retention and Uptake by Plants of Added Selenium in Peat Soils. Communications in Soil Science and Plant Analysis, 2013, 44, 3465-3482.	0.6	14
349	Daily Dietary Selenium Intake in a High Selenium Area of Enshi, China. Nutrients, 2013, 5, 700-710.	1.7	78
350	Macro-relationships between regional-scale field pea (Pisum sativum) selenium chemistry and environmental factors in western Canada. Canadian Journal of Plant Science, 2013, 93, 1059-1071.	0.3	5
351	Minerals and Older Adults. , 2013, , 335-356.		0
352	The table egg: a review. Ciencia E Agrotecnologia, 2013, 37, 115-122.	1.5	14
353	Relationship between soil contents and plasma levels of selenium, chromium and manganese in healthy adult Nigerians. African Journal of Biotechnology, 2013, 12, 5339-5346.	0.3	2
354	Selenium Toxicity from a Misformulated Dietary Supplement, Adverse Health Effects, and the Temporal Response in the Nail Biologic Monitor. Nutrients, 2013, 5, 1024-1057.	1.7	86
355	Impact of double Zn and Se biofortification of wheat plants on the element concentrations in the grain. Plant, Soil and Environment, 2013, 59, 316-321.	1.0	15
356	Selenomethionine and Total Methionine Ratio is Conserved in Seed Proteins of Seleniumâ€Treated and Nontreated Soybean, Flax, and Potato. Crop Science, 2014, 54, 2251-2261.	0.8	6
357	The Pharmacology and Biochemistry of Selenium in Cancer. , 0, , .		2
358	Cereal-Based Gluten-Free Food: How to Reconcile Nutritional and Technological Properties of Wheat Proteins with Safety for Celiac Disease Patients. Nutrients, 2014, 6, 575-590.	1.7	101
359	Selenium-Enriched Yeast: As Selenium Source for Nutritional Purpose. Current Nutrition and Food Science, 2014, 10, 49-56.	0.3	16
360	Selenium in milk and human health. Animal Frontiers, 2014, 4, 38-43.	0.8	17
361	Consumption of seleniumâ€enriched broccoli increases cytokine production in human peripheral blood mononuclear cells stimulated ex vivo, a preliminary human intervention study. Molecular Nutrition and Food Research, 2014, 58, 2350-2357.	1.5	26
362	Selenium Sources in the Diet of Dairy Cows and Their Effects on Milk Production and Quality, on Udder Health and on Physiological Indicators of Heat Stress. Italian Journal of Animal Science, 2014, 13, 2921.	0.8	19

#	Article	IF	Citations
363	Metals in plasma of nonagenarians and centenarians living in a key area of longevity. Experimental Gerontology, 2014, 60, 197-206.	1.2	25
364	Comparing responses to different selenium sources and dosages in laying hens. Poultry Science, 2014, 93, 3083-3090.	1.5	54
365	Selenium status in a group of schoolchildren from the region of <scp>M</scp>adrid, <scp>S</scp>pain. Journal of Human Nutrition and Dietetics, 2014, 27, 239-246.	1.3	15
366	Applied Cell Biology of Sulphur and Selenium in Plants. Plant Cell Monographs, 2014, , 247-272.	0.4	2
367	Selenite-Mediated Cellular Stress, Apoptosis, and Autophagy in Colon Cancer Cells. , 2014, , 221-233.		1
368	Human Lung Cancer Cell Line A-549 ATCC Is Differentially Affected by Supranutritional Organic and Inorganic Selenium. Bioinorganic Chemistry and Applications, 2014, 2014, 1-8.	1.8	8
369	Meta-analysis of selenium accumulation and expression of antioxidant enzymes in chicken tissues. Animal, 2014, 8, 542-554.	1.3	19
370	Se-enriched sprouted seeds as functional additives in sourdough fermentation. LWT - Food Science and Technology, 2014, 56, 524-528.	2.5	24
371	Legumes in the Omic Era. , 2014, , .		12
372	Applied Plant Cell Biology. Plant Cell Monographs, 2014, , .	0.4	5
373	Selenium exposure and depressive symptoms: The Coronary Artery Risk Development in Young Adults Trace Element Study. NeuroToxicology, 2014, 41, 167-174.	1.4	32
374	Selenium status and hair mercury levels in riverine children from RondÃ´nia, Amazonia. Nutrition, 2014, 30, 1318-1323.	1.1	26
375	Effect of selenium on distribution of macro- and micro-elements to different tissues during wheat ontogeny. Biologia Plantarum, 2014, 58, 370-374.	1.9	31
376	Understanding the paradox of selenium contamination in mercury mining areas: High soil content and low accumulation in rice. Environmental Pollution, 2014, 188, 27-36.	3.7	52
377	Arsenic and Selenium. , 2014, , 13-57.		42
378	Natural wetland emissions of methylated trace elements. Nature Communications, 2014, 5, 3035.	5.8	69
379	Assessment of Heavy Metals Tolerance in Leaves, Stems and Flowers of Stevia Rebaudiana Plant. Procedia Environmental Sciences, 2014, 20, 386-393.	1.3	62
380	Selenium content of Belgian cultivated soils and its uptake by field crops and vegetables. Science of the Total Environment, 2014, 468-469, 77-82.	3.9	83

#	Article	IF	Citations
381	Selenium neurotoxicity in humans: Bridging laboratory and epidemiologic studies. Toxicology Letters, 2014, 230, 295-303.	0.4	158
382	Selenium accumulation and speciation in biofortified chickpea (Cicer arietinum L.) under Mediterranean conditions. Journal of the Science of Food and Agriculture, 2014, 94, 1101-1106.	1.7	60
383	Ã‰lÃ©ments-trace (zinc, sÃ©lÃ©nium, chrome, fer), syndrome mÃ©tabolique et diabÃ¨te de type 2. Medecine Des Maladies Metaboliques, 2014, 8, 489-493.	0.1	2
384	Selenoprotein P is the essential selenium transporter for bones. Metallomics, 2014, 6, 1043-1049.	1.0	44
385	Activation of p38 and changes in mitochondria accompany autophagy to premature senescence-like phenotype switch upon chronic exposure to selenite in colon fibroblasts. Toxicology Letters, 2014, 231, 29-37.	0.4	6
386	Plasma and breast-milk selenium in HIV-infected Malawian mothers are positively associated with infant selenium status but are not associated with maternal supplementation: results of the Breastfeeding, Antiretrovirals, and Nutrition study. American Journal of Clinical Nutrition, 2014, 99, 950-956.	2.2	18
387	Selenium enrichment of lactic acid bacteria and bifidobacteria: A functional food perspective. Trends in Food Science and Technology, 2014, 39, 135-145.	7.8	71
388	Selenite reduction by the obligate aerobic bacterium Comamonas testosteroni S44 isolated from a metal-contaminated soil. BMC Microbiology, 2014, 14, 204.	1.3	72
389	Serum selenium in relation to measures of glucose metabolism and incidence of TypeÂ2 diabetes in an older Swedish population. Diabetic Medicine, 2014, 31, 787-793.	1.2	46
390	Terrestrial selenium distribution in China is potentially linked to monsoonal climate. Nature Communications, 2014, 5, 4717.	5.8	87
391	Toxic and essential elements in children's blood (<6 years) from Kinshasa, DRC (the Democratic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	13
392	Theoretical study on structure, conformation, stability and electronic transition of C4 and C5 anions of ascorbic acid stereoisomers. Journal of Molecular Structure, 2014, 1061, 69-75.	1.8	9
393	A market basket survey of As, Zn and Se in rice imports in Qatar: Health implications. Food and Chemical Toxicology, 2014, 70, 33-39.	1.8	22
394	Impact of selenium supply on Se-methylselenocysteine and glucosinolate accumulation in selenium-biofortified Brassica sprouts. Food Chemistry, 2014, 165, 578-586.	4.2	100
395	Scientific Opinion on Dietary Reference Values for selenium. EFSA Journal, 2014, 12, 3846.	0.9	204
396	Meat and Muscle Composition: Structure of Muscle, Chemical and Biochemical Constitution of Muscle, Nutritional Value. Species and Breed Characteristics. , 2015, , 18-47.		0
397	The International Federation of Gynecology and Obstetrics (FIGO) recommendations on adolescent, preconception, and maternal nutrition: â€œThink Nutrition Firstâ€•[#]. International Journal of Gynecology and Obstetrics, 2015, 131, S213-53.	1.0	233
398	Selenium Metabolism. Oxidative Stress and Disease, 2015, , 19-30.	0.3	0

#	Article	IF	Citations
400	Dietary mineral supplies in Malawi: spatial and socioeconomic assessment. BMC Nutrition, 2015, 1, .	0.6	70
401	Relationship between plasma levels of albumin, selenium, chromium and manganese of healthy subjects and patients with human immunodeficiency virus infection and acquired immune deficiency syndrome (HIV/AIDS), diabetes mellitus and cardiovascular disease in Akwa-Ibom and Cross River States of Nigeria. Journal of Public Health and Epidemiology, 2015, 7, 154-158.	0.1	1
402	Improving selenium status in plant nutrition and quality. Journal of Soil Science and Plant Nutrition, 2015, , 0-0.	1.7	21
403	The Effect on Selenium Concentrations of a Randomized Intervention with Fish and Mussels in a Population with Relatively Low Habitual Dietary Selenium Intake. Nutrients, 2015, 7, 608-624.	1.7	13
404	A Review of Dietary Selenium Intake and Selenium Status in Europe and the Middle East. Nutrients, 2015, 7, 1494-1537.	1.7	268
405	Biomarkers of Selenium Status. Nutrients, 2015, 7, 2209-2236.	1.7	276
406	The Feasibility of Using Tartary Buckwheat as a Se-Containing Food Material. Journal of Chemistry, 2015, 2015, 1-4.	0.9	13
407	Effect of Selenium Supplementation on Redox Status of the Aortic Wall in Young Spontaneously Hypertensive Rats. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-10.	1.9	11
408	Organoselenium Compounds as Phytochemicals from the Natural Kingdom. Natural Product Communications, 2015, 10, 1934578X1501001.	0.2	5
409	Selenium, selenoproteins and neurodegenerative diseases. Metallomics, 2015, 7, 1213-1228.	1.0	210
410	Will selenium increase lentil (Lens culinaris Medik) yield and seed quality?. Frontiers in Plant Science, 2015, 6, 356.	1.7	53
411	Selenium Cycling Across Soil-Plant-Atmosphere Interfaces: A Critical Review. Nutrients, 2015, 7, 4199-4239.	1.7	319
412	Cobalt (Co), Selenium (Se), Vanadium (V), Cadmium (Cd), Lead (Pb) and Titanium (Ti). , 2015, , 189-195.		3
413	Effect of continuous application of inorganic nitrogen fertilizer on selenium concentration in vegetables grown in the Taihu Lake region of China. Plant and Soil, 2015, 393, 351-360.	1.8	26
414	Enhancing selenium concentration in lentil (Lens culinaris subsp. culinaris) through foliar application. Journal of Agricultural Science, 2015, 153, 656-665.	0.6	20
415	Selenium accumulation by plants. Annals of Botany, 2016, 117, mcv180.	1.4	256
416	Characterization of selenium-enriched wheat by agronomic biofortification. Journal of Food Science and Technology, 2015, 52, 4236-4245.	1.4	74
417	Effect of Changes in Food Groups Intake on Magnesium, Zinc, Copper, and Selenium Serum Levels During 2 Years of Dietary Intervention. Journal of the American College of Nutrition, 2015, 34, 1-14.	1.1	15

#	Article	IF	Citations
418	Preparation and Characterization of a Laboratory Scale Selenomethionine-Enriched Bread. Selenium Bioaccessibility. Journal of Agricultural and Food Chemistry, 2015, 63, 120-127.	2.4	9
419	Selenium: an element for life. Endocrine, 2015, 48, 756-775.	1.1	272
420	Minerals and Older Adults. , 2015, , 239-252.		3
421	Biological interactions between mercury and selenium in distribution and detoxification processes in mice under controlled exposure. Effects on selenoprotein. Chemico-Biological Interactions, 2015, 229, 82-90.	1.7	43
422	Selenium status is associated with colorectal cancer risk in the European prospective investigation of cancer and nutrition cohort. International Journal of Cancer, 2015, 136, 1149-1161.	2.3	161
423	Microbial-enhanced Selenium and Iron Biofortification of Wheat (Triticum aestivumL.) - Applications in Phytoremediation and Biofortification. International Journal of Phytoremediation, 2015, 17, 341-347.	1.7	89
424	Selenite adsorption and desorption in main Chinese soils with their characteristics and physicochemical properties. Journal of Soils and Sediments, 2015, 15, 1150-1158.	1.5	51
425	Synchrotron-based X-ray absorption near-edge spectroscopy imaging for laterally resolved speciation of selenium in fresh roots and leaves of wheat and rice. Journal of Experimental Botany, 2015, 66, 4795-4806.	2.4	41
426	Evaluation of sodium selenite effects on the potential probiotic Saccharomyces cerevisiae UFMG A-905: A physiological and proteomic analysis. Journal of Functional Foods, 2015, 17, 828-836.	1.6	16
427	Selenium in Fertility and Reproduction. , 2015, , 261-272.		1
428	Selenium fertilization on lentil (Lens culinaris Medikus) grain yield, seed selenium concentration, and antioxidant activity. Field Crops Research, 2015, 177, 9-14.	2.3	69
429	Selenium in bread and durum wheats grown under a soil-supplementation regime in actual field conditions, determined by cyclic and radiochemical neutron activation analysis. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 139-143.	0.7	5
430	Microscale distribution and elemental associations of Se in seleniferous soils in Punjab, India. Environmental Science and Pollution Research, 2015, 22, 5425-5436.	2.7	12
431	Soil-to-Human Mineral Transmission with an Emphasis on Zinc, Selenium, and Iodine. Springer Science Reviews, 2015, 3, 77-96.	1.3	29
432	Population structure and marker-trait association studies of iron, zinc and selenium concentrations in seed of field pea (Pisum sativum L.). Molecular Breeding, 2015, 35, 1.	1.0	68
433	Does selenium supplementation affect thyroid function? Results from a randomized, controlled, double-blinded trial in a Danish population. European Journal of Endocrinology, 2015, 172, 657-667.	1.9	62
434	Regulation of Nutrient Uptake by Plants. , 2015, , .		39
435	Intrahepatic Cholestasis of Pregnancy. Journal of Perinatal and Neonatal Nursing, 2015, 29, 41-50.	0.5	34

#	Article	IF	Citations
436	Metalloido-porins: Essentiality of Nodulin 26-like intrinsic proteins in metalloid transport. Plant Science, 2015, 238, 212-227.	1.7	146
437	An ionic liquid improved HPLC-ICP-MS method for simultaneous determination of arsenic and selenium species in animal/plant-derived foodstuffs. Analytical Methods, 2015, 7, 8617-8625.	1.3	20
438	Concentrations and characteristics of selenium in soil samples from Dashan Region, a selenium-enriched area in China. Soil Science and Plant Nutrition, 2015, 61, 889-897.	0.8	56
439	Effect of applied sulphur on the uptake by wheat of selenium applied as selenite. Plant and Soil, 2015, 386, 35-45.	1.8	60
440	Soil, food security and human health: a review. European Journal of Soil Science, 2015, 66, 257-276.	1.8	217
441	Effects of root iron plaque on selenite and selenate dynamics in rhizosphere and uptake by rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Ov	1.8	34
442	Biogeochemistry of selenium. A review. Environmental Chemistry Letters, 2015, 13, 49-58.	8.3	140
443	Determination of selenium and its compounds in marine organisms. Journal of Trace Elements in Medicine and Biology, 2015, 29, 91-98.	1.5	32
444	Production of Selenium-Enriched Mushrooms in Coffee Husks and Use of This Colonized Residue. , 2015, , 301-309.		6
445	Selenium in soils under climate change, implication for human health. Environmental Chemistry Letters, 2015, 13, 1-19.	8.3	77
446	Seleniferous soils as a source for production of selenium-enriched foods and potential of bacteria to enhance plant selenium uptake. Plant and Soil, 2015, 386, 385-394.	1.8	61
447	Micronutrient and Functional Compounds Biofortification of Maize Grains. Critical Reviews in Food Science and Nutrition, 2015, 55, 123-139.	5.4	30
448	Solidified floating organic drop microextraction for speciation of Se (IV) and Se (VI) in water samples prior to electrothermal atomic absorption spectrometric detection. Turkish Journal of Chemistry, 2016, 40, 1012-1018.	0.5	5
449	Selenium Concentration in Korean Patients with Thyroid Disease: a Preliminary Report. International Journal of Thyroidology, 2016, 9, 152.	0.1	1
450	Influence of Gender and SNPs in GPX1 Gene on Biomarkers of Selenium Status in Healthy Brazilians. Nutrients, 2016, 8, 81.	1.7	14
451	Biological functions of selenium and its potential influence on Parkinson's disease. Anais Da Academia Brasileira De Ciencias, 2016, 88, 1655-1674.	0.3	64
452	Current Knowledge on the Importance of Selenium in Food for Living Organisms: A Review. Molecules, 2016, 21, 609.	1.7	300
453	Selenium and Metabolic Disorders: An Emphasis on Type 2 Diabetes Risk. Nutrients, 2016, 8, 80.	1.7	96

#	Article	IF	Citations
454	Tracking Se Assimilation and Speciation through the Rice Plant â€“ Nutrient Competition, Toxicity and Distribution. PLoS ONE, 2016, 11, e0152081.	1.1	33
455	Selenium Biofortification in Radish Enhances Nutritional Quality via Accumulation of Methyl-Selenocysteine and Promotion of Transcripts and Metabolites Related to Glucosinolates, Phenolics, and Amino Acids. Frontiers in Plant Science, 2016, 7, 1371.	1.7	81
456	Dietary selenium intake and mortality in two population-based cohort studies of 133 957 Chinese men and women. Public Health Nutrition, 2016, 19, 2991-2998.	1.1	20
457	Reduction of selenite to Se(0) nanoparticles by filamentous bacterium Streptomyces sp. ES2-5 isolated from a selenium mining soil. Microbial Cell Factories, 2016, 15, 157.	1.9	77
458	Functionality and genomics of selenium and vitamin E supplementation in ruminants. Animal Production Science, 2016, 56, 1285.	0.6	12
459	Speciation analysis of Se-enriched strawberries (Fragaria ananassa Duch) cultivated on hydroponics by HPLC-TR-HG-AFS. Microchemical Journal, 2016, 127, 120-124.	2.3	15
460	Blood levels of trace metals and amyotrophic lateral sclerosis. NeuroToxicology, 2016, 54, 119-126.	1.4	46
461	Selenium: Dietary Sources, Human Nutritional Requirements and Intake Across Populations. , 2016, , 295-305.		6
462	ALS and FTD: an epigenetic perspective. Acta Neuropathologica, 2016, 132, 487-502.	3.9	60
463	Human metabolism and renal excretion of selenium compounds after oral ingestion of sodium selenate dependent on trimethylselenium ion (TMSe) status. Archives of Toxicology, 2016, 90, 149-158.	1.9	34
464	Serum trace elements in dysphagic gastrostomy candidates before endoscopic gastrostomy for long term enteral feeding. Clinical Nutrition, 2016, 35, 718-723.	2.3	11
465	Biofortification of Food Crops. , 2016, , .		39
466	Influence of Long-Term Fertilization on Selenium Accumulation in Soil and Uptake by Crops. Pedosphere, 2016, 26, 120-129.	2.1	49
467	Distribution and geological sources of selenium in environmental materials in Taoyuan County, Hunan Province, China. Environmental Geochemistry and Health, 2016, 38, 927-938.	1.8	31
468	Trace Elements in Ovaries: Measurement and Physiology1. Biology of Reproduction, 2016, 94, 86.	1.2	29
469	Bioaccessibility of selenium after human ingestion in relation to its chemical species and compartmentalization in maize. Environmental Geochemistry and Health, 2016, 38, 869-883.	1.8	13
470	Selenium Bioavailability Through Microbes. , 2016, , 303-316.		3
471	Evaluation of the toxicity of selenium from hydroponically produced selenium-enriched kale sprout in laying hens. Journal of Trace Elements in Medicine and Biology, 2016, 35, 116-121.	1.5	9

#	Article	IF	Citations
472	Association of antiepileptic drug usage, trace elements and thyroid hormone status. European Journal of Endocrinology, 2016, 174, 425-432.	1.9	8
473	Effect of foliar treatment of sodium selenate on postharvest decay and quality of tomato fruits. Scientia Horticulturae, 2016, 198, 304-310.	1.7	46
474	Selenium Uptake and Methylation by the Microalga Chlamydomonas reinhardtii. Environmental Science & Technology, 2016, 50, 711-720.	4.6	71
475	Antioxidative and anti-inflammatory effect of in vitro digested cookies baked using different types of flours and fermentation methods. Food Research International, 2016, 88, 256-262.	2.9	30
476	Bioaccessibility of selenium, selenomethionine and selenocysteine from foods and influence of heat processing on the same. Food Chemistry, 2016, 194, 1293-1299.	4.2	85
477	Selenium (Se) improves drought tolerance in crop plants â€“ a myth or fact?. Journal of the Science of Food and Agriculture, 2016, 96, 372-380.	1.7	63
478	Selenium Levels in the Whole Blood of Children and Teenagers from Two Riparian Communities at the Madeira River Basin in the Western Brazilian Amazon. Biological Trace Element Research, 2017, 175, 87-97.	1.9	7
479	Selenium-enriched durum wheat improves the nutritional profile of pasta without altering its organoleptic properties. Food Chemistry, 2017, 214, 374-382.	4.2	42
480	Effects of Different Forms of Selenium Fertilizers on Se Accumulation, Distribution, and Residual Effect in Winter Wheatâ€“Summer Maize Rotation System. Journal of Agricultural and Food Chemistry, 2017, 65, 1116-1123.	2.4	47
481	Effects of selenite and selenate application on distribution and transformation of selenium fractions in soil and its bioavailability for wheat (Triticum aestivum L.). Environmental Science and Pollution Research, 2017, 24, 8315-8325.	2.7	46
482	Se in Seâ€enriched peanut, and losses during peanut protein preparation. International Journal of Food Science and Technology, 2017, 52, 843-850.	1.3	11
483	Bioaccessibility of selenium from cooked rice as determined in a simulator of the human intestinal tract (SHIME). Journal of the Science of Food and Agriculture, 2017, 97, 3540-3545.	1.7	29
484	Selenium accumulation in wheat (Triticum aestivum L) as affected by coapplication of either selenite or selenate with phosphorus. Soil Science and Plant Nutrition, 2017, 63, 37-44.	0.8	32
485	Effect of different forms of selenium on the plantâ€“soilâ€“earthworm system. Journal of Plant Nutrition and Soil Science, 2017, 180, 231-240.	1.1	19
486	From Water-rock Interactions to the DNA: A Review of Selenium Issues. Procedia Earth and Planetary Science, 2017, 17, 698-701.	0.6	3
487	Selenium in plants. Plant Ecophysiology, 2017, , .	1.5	34
488	Overview of Selenium Deficiency and Toxicity Worldwide: Affected Areas, Selenium-Related Health Issues, and Case Studies. Plant Ecophysiology, 2017, , 209-230.	1.5	54
489	Selenium Biofortification. Plant Ecophysiology, 2017, , 231-255.	1.5	31

#	Article	IF	Citations
490	Effects of Selenium on Plant Metabolism and Implications for Crops and Consumers. Plant Ecophysiology, 2017, , 257-275.	1.5	36
491	Risk assessment for human health in a seleniferous area, Shuangâ€™an, China. Environmental Science and Pollution Research, 2017, 24, 17701-17710.	2.7	27
492	Multi-scale Factors and Processes Controlling Selenium Distributions in Soils. Plant Ecophysiology, 2017, , 3-20.	1.5	5
493	The Genetics of Selenium Accumulation by Plants. Plant Ecophysiology, 2017, , 143-163.	1.5	12
494	Hydrochemical characteristics of natural water and selenium-rich water resources in the Northern Daba Mountains, China. Journal of Water and Health, 2017, 15, 273-287.	1.1	8
495	Selenium fortification of infant formulas: does selenium form matter?. Food and Function, 2017, 8, 3856-3868.	2.1	25
496	Effect of sodium selenite and selenium yeast on performance, egg quality, antioxidant capacity, and selenium deposition of laying hens. Poultry Science, 2017, 96, 3973-3980.	1.5	68
497	Assessment of toxicity of selenium and cadmium selenium quantum dots: A review. Chemosphere, 2017, 188, 403-413.	4.2	80
498	Will selenium fertilization improve biological nitrogen fixation in lentils?. Journal of Plant Nutrition, 2017, 40, 2392-2401.	0.9	7
499	Selenate redistribution during aging in different Chinese soils and the dominant influential factors. Chemosphere, 2017, 182, 284-292.	4.2	59
501	Application of enzymatic probe sonication for selenium speciation in animal feeds. Journal of Chromatography A, 2017, 1530, 51-58.	1.8	15
502	Application of X-ray absorption near edge spectroscopy to the study of the effect of sulphur on selenium uptake and assimilation in wheat seedlings. Biologia Plantarum, 2017, 61, 726-732.	1.9	27
503	Selenium Reduces Early Signs of Tumor Necrosis Factor Alpha-Induced Meniscal Tissue Degradation. Biological Trace Element Research, 2017, 177, 80-89.	1.9	3
504	Selenium as a nutrient in biostimulation and biofortification of cereals. Indian Journal of Plant Physiology, 2017, 22, 1-15.	0.8	15
505	Selenium speciation in wheat grain varies in the presence of nitrogen and sulphur fertilisers. Environmental Geochemistry and Health, 2017, 39, 955-966.	1.8	43
506	Zinc and selenium accumulation and their effect on iron bioavailability in common bean seeds. Plant Physiology and Biochemistry, 2017, 111, 193-202.	2.8	24
508	Selecting Lentil Accessions for Global Selenium Biofortification. Plants, 2017, 6, 34.	1.6	20
509	Application of Sodium Selenite in the Prevention and Treatment of Cancers. Cells, 2017, 6, 39.	1.8	87

#	Article	IF	Citations
510	Reduced Dietary Selenium Impairs Vascular Function by Increasing Oxidative Stress in Sprague-Dawley Rat Aortas. International Journal of Environmental Research and Public Health, 2017, 14, 591.	1.2	21
511	Supplementation of Micronutrient Selenium in Metabolic Diseases: Its Role as an Antioxidant. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-13.	1.9	175
512	Selenium Requirements and Metabolism in Poultry. , 2017, , .		0
513	Selenium Deficiency as a Risk Factor for Development of Anemia. Journal of Biomedical and Clinical Research, 2017, 10, 9-17.	0.1	8
514	Selenium behavior in the soil environment and its implication for human health. Ciencia E Agrotecnologia, 2017, 41, 605-615.	1.5	66
515	Metabolic transformation and urinary excretion of selenium (Se) in rats fed a Se-enriched defatted rapeseed (Brassica napus, L.) diet. Metallomics, 2018, 10, 579-586.	1.0	4
516	Relationship between lifespan indicators and elemental background values: A case study in Guangdong Province, China. Science of the Total Environment, 2018, 624, 1658-1668.	3.9	9
517	Correlates of toenail selenium and its crossâ€sectional association with metabolic syndrome. Journal of Human Nutrition and Dietetics, 2018, 31, 603-611.	1.3	1
518	Agronomic biofortification of upland rice with selenium and nitrogen and its relation to grain quality. Journal of Cereal Science, 2018, 79, 508-515.	1.8	78
519	Anion-responsive carbon nanosystem for controlling selenium fertilizer release and improving selenium utilization efficiency in vegetables. Carbon, 2018, 129, 711-719.	5.4	38
520	Developmental selenium exposure and health risk in daily foodstuffs: A systematic review and meta-analysis. Ecotoxicology and Environmental Safety, 2018, 149, 291-306.	2.9	64
521	Five threads: How U-shaped thinking weaves together dogs, men, selenium, and prostate cancer risk. Free Radical Biology and Medicine, 2018, 127, 36-45.	1.3	23
522	The transformation and migration of selenium in soil under different Eh conditions. Journal of Soils and Sediments, 2018, 18, 2935-2947.	1.5	17
523	Cross-sectional Study: Relationship Between Serum Selenium and Hypertension in the Shandong Province of China. Biological Trace Element Research, 2018, 185, 295-301.	1.9	13
524	Physiological, biochemical, and ultrastructural characterization of selenium toxicity in cowpea plants. Environmental and Experimental Botany, 2018, 150, 172-182.	2.0	92
525	Cow Milk Consumption Increases Iodine Status in Women of Childbearing Age in a Randomized Controlled Trial. Journal of Nutrition, 2018, 148, 401-408.	1.3	14
526	Mineral concentrations of chickpea and lentil cultivars and breeding lines grown in the U.S. Pacific Northwest. Crop Journal, 2018, 6, 253-262.	2.3	57
527	The role of diet in multiple sclerosis: A review. Nutritional Neuroscience, 2018, 21, 377-390.	1.5	88

#	Article	IF	Citations
528	Long-Term Excessive Selenium Supplementation Induces Hypertension in Rats. Biological Trace Element Research, 2018, 182, 70-77.	1.9	24
529	Effect of Selenium from Selenium-Enriched Kale Sprout Versus Other Selenium Sources on Productivity and Selenium Concentrations in Egg and Tissue of Laying Hens. Biological Trace Element Research, 2018, 182, 105-110.	1.9	19
530	The effect of soil on human health: an overview. European Journal of Soil Science, 2018, 69, 159-171.	1.8	201
531	Essential metal and metalloid elements in the Philippi Horticultural area, and their uptake into selected vegetable crops. International Journal of Phytoremediation, 2018, 20, 471-475.	1.7	2
532	Influence of sulfate supply on selenium uptake dynamics and expression of sulfate/selenate transporters in selenium hyperaccumulator and nonhyperaccumulator Brassicaceae. New Phytologist, 2018, 217, 194-205.	3.5	88
533	The role of selenium in mercury toxicity â€“ Current analytical techniques and future trends in analysis of selenium and mercury interactions in biological matrices. TrAC - Trends in Analytical Chemistry, 2018, 104, 95-109.	5.8	31
534	Effects of different application methods of selenite and selenate on selenium distribution within wheat. Journal of Plant Nutrition, 2018, 41, 2729-2740.	0.9	6
535	Characterization of Selenium Accumulation, Localization and Speciation in Buckwheatâ€“Implications for Biofortification. Frontiers in Plant Science, 2018, 9, 1583.	1.7	20
536	Serum selenium levels are associated with age-related cataract. Annals of Agricultural and Environmental Medicine, 2018, 25, 443-448.	0.5	12
537	Environmental Selenium and Human Health: an Update. Current Environmental Health Reports, 2018, 5, 464-485.	3.2	170
538	Sorption Characteristics and Fraction Distribution Changes of Selenite in Soil. Sustainability, 2018, 10, 2491.	1.6	5
539	Compositional analysis of typical selenium ore from Enshi and its effect on selenium enrichment in wetland and dryland crops. Plant and Soil, 2018, 433, 55-64.	1.8	8
540	Mineral Composition and Antioxidant Status of Tomato with Application of Selenium. Agronomy, 2018, 8, 185.	1.3	20
541	Selenium in Radiation Oncology. Molecular and Integrative Toxicology, 2018, , 287-300.	0.5	0
542	Selenium in Soils and Crops. Molecular and Integrative Toxicology, 2018, , 29-50.	0.5	8
543	Role of Zinc and Selenium in Oxidative Stress and Immunosenescence: Implications for Healthy Aging and Longevity. , 2018, , 1-35.		0
544	Human Milk Composition and Dietary Intakes of Breastfeeding Women of Different Ethnicity from the Manawatu-Wanganui Region of New Zealand. Nutrients, 2018, 10, 1231.	1.7	70
545	Dietary Antioxidants, Circulating Antioxidant Concentrations, Total Antioxidant Capacity, and Risk of All-Cause Mortality: A Systematic Review and Dose-Response Meta-Analysis of Prospective Observational Studies. Advances in Nutrition, 2018, 9, 701-716.	2.9	91

#	Article	IF	Citations
546	The Effect of Processing and Seasonality on the Iodine and Selenium Concentration of Cowâ€™s Milk Produced in Northern Ireland (NI): Implications for Population Dietary Intake. Nutrients, 2018, 10, 287.	1.7	26
547	Quantitative trait loci conferring grain selenium nutrient in durum wheat Ã— wild emmer wheat RIL population. Czech Journal of Genetics and Plant Breeding, 2018, 54, 52-58.	0.4	15
548	Antipsychotic-induced disorders: Reported cases and prospective study on muscle biomarkers after high exposure to haloperidol. Toxicology and Applied Pharmacology, 2018, 352, 1-8.	1.3	2
549	Chapter 3 Selenium in feed: organic selenium concept. , 2018, , 153-194.		0
550	Selenium analysis in waters. Part 1: Regulations and standard methods. Science of the Total Environment, 2018, 640-641, 1611-1634.	3.9	34
551	Selenium Accumulation Characteristics and Biofortification Potentiality in Turnip (Brassica rapa var.) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	40
552	Absorption and Bio-Transformation of Selenium Nanoparticles by Wheat Seedlings (Triticum aestivum) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	95
553	Biofortification of Cereals With Foliar Selenium and Iodine Could Reduce Hypothyroidism. Frontiers in Plant Science, 2018, 9, 730.	1.7	76
554	Dietary Selenium Intake and Subclinical Hypothyroidism: A Cross-Sectional Analysis of the ELSA-Brasil Study. Nutrients, 2018, 10, 693.	1.7	24
555	Factors associated with the blood and urinary selenium concentrations in the Canadian population: Results of the Canadian Health Measures Survey (2007â€“2011). International Journal of Hygiene and Environmental Health, 2018, 221, 1023-1031.	2.1	15
556	Selenium-Dependent Antioxidant Enzymes: Actions and Properties of Selenoproteins. Antioxidants, 2018, 7, 66.	2.2	260
557	C. elegansâ€”An Emerging Model to Study Metal-Induced RAGE-Related Pathologies. International Journal of Environmental Research and Public Health, 2018, 15, 1407.	1.2	6
558	Genotypic Variation and Biofortification with Selenium in Brazilian Wheat Cultivars. Journal of Environmental Quality, 2018, 47, 1371-1379.	1.0	21
559	Plasma selenoprotein P concentration and lung cancer risk: results from a caseâ€“control study nested within the Shanghai Menâ€™s Health Study. Carcinogenesis, 2018, 39, 1352-1358.	1.3	7
560	An Epigenetic Spin to ALS and FTD. Advances in Neurobiology, 2018, 20, 1-29.	1.3	5
561	Two selenium tolerant Lysinibacillus sp. strains are capable of reducing selenite to elemental Se efficiently under aerobic conditions. Journal of Environmental Sciences, 2019, 77, 238-249.	3.2	33
562	Agronomic biofortification of chickpea with zinc and iron through application of zinc and urea. Communications in Soil Science and Plant Analysis, 2019, 50, 1864-1877.	0.6	33
563	Selenium Accumulation, Speciation and Localization in Brazil Nuts (Bertholletia excelsa H.B.K.). Plants, 2019, 8, 289.	1.6	34

#	Article	IF	Citations
565	A cysteinyl-tRNA synthetase variant confers resistance against selenite toxicity and decreases selenocysteine misincorporation. Journal of Biological Chemistry, 2019, 294, 12855-12865.	1.6	18
566	Can Cd content in crops be controlled by Se fertilization? A meta-analysis and outline of Cd sequestration mechanisms. Plant and Soil, 2019, 440, 369-380.	1.8	18
567	Selenium Treatment Enhanced Clearance of Salmonella in Chicken Macrophages (HD11). Antioxidants, 2019, 8, 532.	2.2	7
568	Combating Micronutrient Deficiency and Enhancing Food Functional Quality Through Selenium Fortification of Select Lettuce Genotypes Grown in a Closed Soilless System. Frontiers in Plant Science, 2019, 10, 1495.	1.7	41
569	12th IFDC 2017 Special issue â€“ Brazilian Nutrient Intake Evaluation Database: An essential tool for estimating nutrient intake data. Journal of Food Composition and Analysis, 2019, 83, 103286.	1.9	8
570	Selenium Biofortification of Agricultural Crops and Effects on Plant Nutrients and Bioactive Compounds Important for Human Health and Disease Prevention â€“ a Review. Plant Foods for Human Nutrition, 2019, 74, 449-460.	1.4	68
571	Copper, Manganese, Selenium and Zinc in Wild-Growing Edible Mushrooms from the Eastern Territory of â€œGreen Lungs of Polandâ€• Nutritional and Toxicological Implications. International Journal of Environmental Research and Public Health, 2019, 16, 3614.	1.2	33
572	Genesis of seleniferous soils and associated animal and human health problems. Advances in Agronomy, 2019, 154, 1-80.	2.4	17
573	Effect of humic acid on Se and Fe transformations in soil during waterlogged incubation. Science of the Total Environment, 2019, 684, 476-485.	3.9	21
574	The application potential of coal fly ash for selenium biofortification. Advances in Agronomy, 2019, 157, 1-54.	2.4	11
575	Maternal Selenium and Developmental Programming. Antioxidants, 2019, 8, 145.	2.2	31
576	Recent Progress in Research on the Pharmacological Potential of Mushrooms and Prospects for Their Clinical Application. , 2019, , 1-70.		24
577	The behaviour of irrigation induced Se in the groundwater-soil-plant system in Punjab, India. Environmental Sciences: Processes and Impacts, 2019, 21, 957-969.	1.7	9
578	Agronomic biofortification of maize and beans in Kenya through selenium fertilization. Environmental Geochemistry and Health, 2019, 41, 2577-2591.	1.8	40
579	Pulses, Global Health, and Sustainability: Future Trends. , 2019, , 1-17.		2
580	Effect of foliar application with sodium selenate on selenium biofortification and fruit quality maintenance of â€˜Starking Deliciousâ€™ apple during storage. Journal of the Science of Food and Agriculture, 2019, 99, 5149-5156.	1.7	31
581	Selenium Biofortification Differentially Affects Sulfur Metabolism and Accumulation of Phytochemicals in Two Rocket Species (Eruca Sativa Mill. and Diplotaxis Tenuifolia) Grown in Hydroponics. Plants, 2019, 8, 68.	1.6	35
582	Micronutrient status differs among Maasai and Kamba preschoolers in a supplementary feeding programme in Kenya. Maternal and Child Nutrition, 2019, 15, e12805.	1.4	10

#	Article	IF	Citations
583	Effect of arbuscular mycorrhizal fungi on uptake of selenate, selenite, and selenomethionine by roots of winter wheat. Plant and Soil, 2019, 438, 71-83.	1.8	40
584	Selenium Distribution and Translocation in Rice (Oryza sativa L.) under Different Naturally Seleniferous Soils. Sustainability, 2019, 11, 520.	1.6	15
585	Selenium, Se. , 2019, , 301-362.		6
586	Effect of dietary selenium in rainbow trout (Oncorhynchus mykiss) broodstock on antioxidant status, its parental transfer and oxidative status in the progeny. Aquaculture, 2019, 507, 126-138.	1.7	42
587	Quantitation of Selenomethionine in Multivitamins and Selenium Supplements by High Performance Liquid Chromatography Inductively-Coupled Plasma Mass Spectrometry. Food Analytical Methods, 2019, 12, 1316-1326.	1.3	9
588	Biofortification of Ocimum basilicum L. plants with selenium. Acta Horticulturae, 2019, , 663-670.	0.1	5
589	Pathway and driving forces of selenite absorption in wheat leaf blades. Plant, Soil and Environment, 2019, 65, 609-614.	1.0	9
590	Dietary Antioxidants in the Chemoprevention of Prostate Cancer. , 0, , .		3
591	Wide field imaging energy dispersive X-ray absorption spectroscopy. Scientific Reports, 2019, 9, 17734.	1.6	9
592	Association between dietary selenium intake and the prevalence of osteoporosis: a cross-sectional study. BMC Musculoskeletal Disorders, 2019, 20, 585.	0.8	33
593	Spatial Variation of Human Selenium in Ethiopia. Biological Trace Element Research, 2019, 189, 354-360.	1.9	14
594	Potential of advanced breeding lines of breadâ€making wheat to accumulate grain minerals (Ca, Fe, Mg) Tj ETQq1 1 0.784314 rgBT /O 2019, 205, 341-352.	1.7	15
595	Is selenium intake associated with the presence of depressive symptoms among US adults? Findings from National Health and Nutrition Examination Survey (NHANES) 2011â€“2014. Nutrition, 2019, 62, 169-176.	1.1	23
596	Development of an algal treatment system for selenium removal: Effects of environmental factors and post-treatment processing of Se-laden algae. Journal of Hazardous Materials, 2019, 365, 546-554.	6.5	24
597	NRT1.1B improves selenium concentrations in rice grains by facilitating selenomethinone translocation. Plant Biotechnology Journal, 2019, 17, 1058-1068.	4.1	54
598	Designing selenium functional foods and beverages: A review. Food Research International, 2019, 120, 708-725.	2.9	78
599	Ratiometric fluorescence imaging for sodium selenite in living cells. Dyes and Pigments, 2019, 164, 133-138.	2.0	12
600	Toxic effect and bioaccumulation of selenium in green alga Chlorella pyrenoidosa. Journal of Applied Phycology, 2019, 31, 1733-1742.	1.5	13

#	Article	IF	Citations
601	Wheat grain selenium content as affected by year and tillage system in a rainfed Mediterranean Vertisol. Field Crops Research, 2019, 233, 41-48.	2.3	15
602	Characterization of selenium speciation in selenium-enriched button mushrooms (Agaricus bisporus) and selenized yeasts (dietary supplement) using X-ray absorption near-edge structure (XANES) spectroscopy. Journal of Trace Elements in Medicine and Biology, 2019, 51, 164-168.	1.5	19
603	A comprehensive review on environmental transformation of selenium: recent advances and research perspectives. Environmental Geochemistry and Health, 2019, 41, 1003-1035.	1.8	76
604	Evaluation of antioxidative and diabetes-preventive properties of an ancient grain, KAMUTÂ® khorasan wheat, in healthy volunteers. European Journal of Nutrition, 2019, 58, 151-161.	1.8	14
605	SELENIUM BIOFORTIFICATION OF RICE THROUGH FOLIAR APPLICATION WITH SELENITE AND SELENATE. Experimental Agriculture, 2019, 55, 528-542.	0.4	44
606	Changing from a Western to a Mediterranean-style diet does not affect iron or selenium status: results of the New Dietary Strategies Addressing the Specific Needs of the Elderly Population for Healthy Aging in Europe (NU-AGE) 1-year randomized clinical trial in elderly Europeans. American Journal of Clinical Nutrition, 2020, 111, 98-109.	2.2	12
607	The effect of consumption of pork enriched by organic selenium on selenium status and lipid profile in blood serum of consumers. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2020, 55, 69-74.	0.7	5
608	Radiochemical neutron activation analysis for the determination of selenium in Mentha spicata L. samples collected from Djelfa, Algeria region. Radiochimica Acta, 2020, 108, 217-222.	0.5	2
609	Improvement of nutrient use efficiency in rice: current toolbox and future perspectives. Theoretical and Applied Genetics, 2020, 133, 1365-1384.	1.8	58
610	Agronomic biofortification with selenium impacts storage proteins in grains of upland rice. Journal of the Science of Food and Agriculture, 2020, 100, 1990-1997.	1.7	23
611	Agronomic biofortification of cowpea with selenium by foliar fertilization: effect of doses in three cultivars. Journal of Plant Nutrition, 2020, 43, 538-547.	0.9	6
612	Arsenic and cadmium accumulation in rice and mitigation strategies. Plant and Soil, 2020, 446, 1-21.	1.8	327
613	Selenium and Selenoprotein P Deficiency Correlates With Complications and Adverse Outcome After Major Trauma. Shock, 2020, 53, 63-70.	1.0	27
614	Mutation in OsCADT1 enhances cadmium tolerance and enriches selenium in rice grain. New Phytologist, 2020, 226, 838-850.	3.5	45
615	Design and Characterization of a Cancer-Targeted Drug Co-Delivery System Composed of Liposomes and Selenium Nanoparticles. Journal of Nanoscience and Nanotechnology, 2020, 20, 5295-5304.	0.9	9
616	Selenium biofortification in the 21st century: status and challenges for healthy human nutrition. Plant and Soil, 2020, 453, 245-270.	1.8	138
617	Se Status Prediction by Food Intake as Compared to Circulating Biomarkers in a West Algerian Population. Nutrients, 2020, 12, 3599.	1.7	10
618	Ameliorative effects of selenium nanoparticles on letrozole induced polycystic ovarian syndrome in adult rats. International Journal of Biomedical Nanoscience and Nanotechnology, 2020, 4, 49.	0.1	2

#	Article	IF	Citations
619	Uptake, translocation and biotransformation of selenium nanoparticles in rice seedlings (Oryza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 74	4.2	61
620	Response of Pumpkin to Different Concentrations and Forms of Selenium and Iodine, and their Combinations. Plants, 2020, 9, 899.	1.6	11
621	Genetically Modified Rice Stacked with Antioxidants for Nutrient Enhancement and Stress Tolerance. , 2020, , 433-467.		2
622	Rice quality improvement. A review. Agronomy for Sustainable Development, 2020, 40, 1.	2.2	24
623	Exploring the genetic variability and diversity of pearl millet core collection germplasm for grain nutritional traits improvement. Scientific Reports, 2020, 10, 21177.	1.6	17
624	Selenium and Alzheimer's disease. , 2020, , 739-748.		5
625	Plant Nutrition for Human Nutrition: Hints from Rice Research and Future Perspectives. Molecular Plant, 2020, 13, 825-835.	3.9	130
626	Selenium Biofortification of Crop Food by Beneficial Microorganisms. Journal of Fungi (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.5	35
627	Selenate and selenite affect photosynthetic pigments and ROS scavenging through distinct mechanisms in cowpea (Vigna unguiculata (L.) walp) plants. Ecotoxicology and Environmental Safety, 2020, 201, 110777.	2.9	76
628	Getting more micronutrients from wheat and barley through agronomic biofortification. , 2020, , 53-99.		4
629	Selenium Supplementation, Body Mass Composition, and Leptin Levels in Patients with Obesity on a Balanced Mildly Hypocaloric Diet: A Pilot Study. International Journal of Endocrinology, 2020, 2020, 1-7.	0.6	29
630	Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?. Nutrients, 2020, 12, 1769.	1.7	163
631	Sex differences, growth, reproduction and zinc ion homeostasis of zebrafish after chronic dietary l-selenomethionine exposure. Chemosphere, 2020, 259, 127455.	4.2	5
632	Comparative proteomics analysis of the effect of selenium treatment on the quality of foxtail millet. LWT - Food Science and Technology, 2020, 131, 109691.	2.5	21
633	Sources, Fraction Distribution and Health Risk Assessment of Selenium (Se) in Dashan Village, a Se-Rich Area in Anhui Province, China. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 545-550.	1.3	7
634	Functional Biomarkers for the Selenium Status in a Human Nutritional Intervention Study. Nutrients, 2020, 12, 676.	1.7	25
635	Mapping the drivers of uncertainty in atmospheric selenium deposition with global sensitivity analysis. Atmospheric Chemistry and Physics, 2020, 20, 1363-1390.	1.9	17
636	Selenium, Zinc, and Manganese Status in Pregnant Women and Its Relation to Maternal and Child Complications. Nutrients, 2020, 12, 725.	1.7	24

#	Article	IF	Citations
637	The Interaction of Arbuscular Mycorrhizal Fungi and Phosphorus Inputs on Selenium Uptake by Alfalfa (Medicago sativa L.) and Selenium Fraction Transformation in Soil. Frontiers in Plant Science, 2020, 11, 966.	1.7	18
638	Distribution of elements and their correlation in bran, polished rice, and whole grain. Food Science and Nutrition, 2020, 8, 982-992.	1.5	30
639	HIF-1 Has a Central Role in Caenorhabditis elegans Organismal Response to Selenium. Frontiers in Genetics, 2020, 11, 63.	1.1	8
640	Selenium Anticancer Properties and Impact on Cellular Redox Status. Antioxidants, 2020, 9, 80.	2.2	107
641	The importance of selenium in fruit nutrition. , 2020, , 241-254.		6
642	Effects of roller and hammer milling on the yield and physicochemical properties of fibre-rich fractions from biofortified and non-biofortified hull-less barley. Journal of Cereal Science, 2020, 92, 102907.	1.8	8
643	Bariatric Surgery in Obesity: Effects on Gut Microbiota and Micronutrient Status. Nutrients, 2020, 12, 235.	1.7	74
644	Selenium and Salt Interactions in Black Gram (Vigna mungo L): Ion Uptake, Antioxidant Defense System, and Photochemistry Efficiency. Plants, 2020, 9, 467.	1.6	36
645	The presence of heavy metals in Avicennia schaueriana Stapf & Leechman ex Moldenke leaf and epicuticular wax from different mangroves around Sepetiba Bay, Rio de Janeiro, Brazil. Environmental Science and Pollution Research, 2020, 27, 23714-23729.	2.7	12
646	The interaction of phosphate and selenite in alkaline soil and accumulation by alfalfa (<i>Medicago) Tj ETQq1 1 0.784314 rgBT /Overl	1.3	7
647	Assessment of dietary selenium intake of Jordanian adults in Madaba: a cross sectional study. Nutrition and Food Science, 2021, 51, 494-506.	0.4	5
648	Invited Letter to Editor in response to: Finlandâ€™s handling of selenium is a model in these times of coronavirus infections. British Journal of Nutrition, 2021, 125, 1439-1440.	1.2	3
649	Selenium transport and metabolism in plants: Phytoremediation and biofortification implications. Journal of Hazardous Materials, 2021, 404, 124178.	6.5	95
650	Blood Metal Levels and Amyotrophic Lateral Sclerosis Risk: A Prospective Cohort. Annals of Neurology, 2021, 89, 125-133.	2.8	29
651	Selenium status is independently related to bone mineral density, FRAX score, and bone fracture history: NHANES, 2013 to 2014. Bone, 2021, 143, 115631.	1.4	25
652	Selenium status in a Northern Irish pregnant cohort with iodine deficiency. European Journal of Clinical Nutrition, 2021, 75, 403-405.	1.3	4
653	Interaction between Acyrthosiphon pisum and selenium-treated Pisum sativum. , 2021, 88, 58-76.		2
654	Interplay between selenium and mineral elements to improve plant growth and development. , 2021, , 221-236.		1

#	Article	IF	Citations
655	The effects of twenty-four nutrients and phytonutrients on immune system function and inflammation: a narrative review. Journal of Clinical and Translational Research, 0, , .	0.3	9
656	Natural organic matter facilitates formation and microbial methylation of mercury selenide nanoparticles. Environmental Science: Nano, 2021, 8, 67-75.	2.2	7
657	The Role of Selenium in Human Nutrition. , 2021, , 3-45.		0
658	Fate of selenium in biofortification of wheat on calcareous soil: an isotopic study. Environmental Geochemistry and Health, 2021, 43, 3643-3657.	1.8	3
659	Selenium Biofortification: Roles, Mechanisms, Responses and Prospects. Molecules, 2021, 26, 881.	1.7	112
660	Serum Selenium Level Predicts 10-Year Survival after Breast Cancer. Nutrients, 2021, 13, 953.	1.7	14
661	Selenium: widespread yet scarce, essential yet toxic. ChemTexts, 2021, 7, 1.	1.0	11
662	The Role of Oat Nutrients in the Immune System: A Narrative Review. Nutrients, 2021, 13, 1048.	1.7	37
663	A molecular switch in sulfur metabolism to reduce arsenic and enrich selenium in rice grain. Nature Communications, 2021, 12, 1392.	5.8	48
664	Chapter 3: Selenium in feed: organic selenium concept development. , 2021, , 61-110.		3
665	Selenium source and level on performance, selenium retention and biochemical responses of young broiler chicks. BMC Veterinary Research, 2021, 17, 151.	0.7	8
666	Effects of Selenium and/or Arbuscular Mycorrhizal Fungal Inoculation on Strawberry Grown in Hydroponic Trial. Agronomy, 2021, 11, 721.	1.3	8
667	Origin, distribution and enrichment of selenium in oasis farmland of Aksu, Xinjiang, China. Journal of Geochemical Exploration, 2021, 223, 106723.	1.5	11
668	Selenium as a Bioactive Micronutrient in the Human Diet and Its Cancer Chemopreventive Activity. Nutrients, 2021, 13, 1649.	1.7	63
669	Sulfur Amino Acid Status Controls Selenium Methylation in Pseudomonas tolaasii: Identification of a Novel Metabolite from Promiscuous Enzyme Reactions. Applied and Environmental Microbiology, 2021, 87, e0010421.	1.4	4
670	The role of endogenous antioxidants in male animal fertility. Research in Veterinary Science, 2021, 136, 495-502.	0.9	9
671	Dietary Selenium Regulates microRNAs in Metabolic Disease: Recent Progress. Nutrients, 2021, 13, 1527.	1.7	6
672	Juvenile Selenium Deficiency Impairs Cognition, Sensorimotor Gating, and Energy Homeostasis in Mice. Frontiers in Nutrition, 2021, 8, 667587.	1.6	5

#	Article	IF	Citations
673	Se-Enrichment Pattern, Composition, and Aroma Profile of Ripe Tomatoes after Sodium Selenate Foliar Spraying Performed at Different Plant Developmental Stages. Plants, 2021, 10, 1050.	1.6	12
674	Reductions in the deposition of sulfur and selenium to agricultural soils pose risk of future nutrient deficiencies. Communications Earth & Environment, 2021, 2, .	2.6	35
675	Association between selenium intake, diabetes and mortality in adults: findings from National Health and Nutrition Examination Survey (NHANES) 2003â€“2014. British Journal of Nutrition, 2022, 127, 1098-1105.	1.2	16
676	Pre-Launch Exploration of Consumer Willingness to Purchase Selenium- and Iodine-Biofortified Applesâ€”A Discrete Choice Analysis of Possible Market Settings. Nutrients, 2021, 13, 1625.	1.7	4
677	The Relevance of Plant-Derived Se Compounds to Human Health in the SARS-CoV-2 (COVID-19) Pandemic Era. Antioxidants, 2021, 10, 1031.	2.2	11
678	Selenium Biofortification of Three Wild Species, Rumex acetosa L., Plantago coronopus L., and Portulaca oleracea L., Grown as Microgreens. Agronomy, 2021, 11, 1155.	1.3	28
679	Determination of Different Selenium Species in Selenium-Enriched Polysaccharide by HPLC-ICP-MS. Food Analytical Methods, 2021, 14, 2420-2429.	1.3	6
680	Review of nutritional guidelines "Nutrition First" for adolescent, pregravid and postpartum periods by International Federation of Gynaecology and Obstetrics. Medical Alphabet, 2021, , 14-24.	0.0	1
681	Application of inorganic selenium to reduce accumulation and toxicity of heavy metals (metalloids) in plants: The main mechanisms, concerns, and risks. Science of the Total Environment, 2021, 771, 144776.	3.9	54
682	Roles of selenium in mineral plant nutrition: ROS scavenging responses against abiotic stresses. Plant Physiology and Biochemistry, 2021, 164, 27-43.	2.8	123
683	Wheat/Gluten-Related Disorders and Gluten-Free Diet Misconceptions: A Review. Foods, 2021, 10, 1765.	1.9	34
684	A U-Shaped Relationship Between Selenium Concentrations and All-Cause or Cardiovascular Mortality in Patients With Hypertension. Frontiers in Cardiovascular Medicine, 2021, 8, 671618.	1.1	12
685	Combined foliar and soil selenium fertilizer increased the grain yield, quality, total se, and organic Se content in naked oats. Journal of Cereal Science, 2021, 100, 103265.	1.8	18
686	Selenium Deficiency Due to Diet, Pregnancy, Severe Illness, or COVID-19â€”A Preventable Trigger for Autoimmune Disease. International Journal of Molecular Sciences, 2021, 22, 8532.	1.8	58
687	Higher Dietary Se Intake Is Associated With the Risk of New-Onset Fracture: A National Longitudinal Study for 20 Years. Frontiers in Nutrition, 2021, 8, 719147.	1.6	5
688	Comparative proteomics analysis of the responses to selenium in selenium-enriched alfalfa (Medicago) Tj ETQq1 1 0.784314 rgBT /Ov	2.8	15
689	Accumulation and translocation of selenium in a soilâ€“rice system in Guangxi, China. Soil Science and Plant Nutrition, 0, , 1-9.	0.8	2
690	Effect of short-term consumption of pork supplemented by organic selenium on selenium concentration, antioxidant status, and lipid parameters of consumers. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2021, , 1-7.	0.7	1

#	Article	IF	Citations
691	Absorption, distribution, metabolism and excretion (ADME) of oral selenium from organic and inorganic sources: A review. Journal of Trace Elements in Medicine and Biology, 2021, 67, 126801.	1.5	41
692	Association of maternal prenatal selenium concentration and preterm birth: a multicountry meta-analysis. BMJ Global Health, 2021, 6, e005856.	2.0	13
693	Ageing-associated effects of a long-term dietary modulation of four trace elements in mice. Redox Biology, 2021, 46, 102083.	3.9	7
694	Geopedology-climate interactions govern the spatial distribution of selenium in soils: A case study in northeastern Brazil. Geoderma, 2021, 399, 115119.	2.3	13
695	Probing the effects of dietary selenised glucose on the selenium concentration, quality, and antioxidant activity of eggs and production performances of laying hens. Animal, 2021, 15, 100374.	1.3	8
696	Maternal selenium intake and selenium status during pregnancy in relation to preeclampsia and pregnancy-induced hypertension in a large Norwegian Pregnancy Cohort Study. Science of the Total Environment, 2021, 798, 149271.	3.9	17
697	Size-dependent transformation, uptake, and transportation of SeNPs in a wheatâ€“soil system. Journal of Hazardous Materials, 2022, 424, 127323.	6.5	11
698	Speciation Analysis of Food Products. Food Bioactive Ingredients, 2021, , 309-344.	0.3	2
699	Low serum selenium in pregnancy is associated with reduced T3 and increased risk of GDM. Journal of Endocrinology, 2021, 248, 45-57.	1.2	12
701	Lentils (Lens culinaris L.) as a Source of Dietary Selenium. , 2013, , 255-264.		3
702	Pulses Biofortification in Genomic Era: Multidisciplinary Opportunities and Challenges. , 2014, , 207-220.		12
706	Selenium Agronomic Biofortification in Rice: Improving Crop Quality Against Malnutrition. , 2020, , 179-203.		15
707	Role of Zinc and Selenium in Oxidative Stress and Immunosenescence: Implications for Healthy Aging and Longevity. , 2019, , 2539-2573.		6
708	Biogeochemical Cycles of Selenium in Soil-Rice System. Springer Theses, 2014, , 117-133.	0.0	1
709	Biofortification of Iron, Zinc, and Selenium in Rice for Better Quality. , 2020, , 669-686.		2
710	Selenium status and risk of prostate cancer in a Danish population. British Journal of Nutrition, 2016, 115, 1669-1677.	1.2	22
711	Selenium deficiency risks in sub-Saharan African food systems and their geospatial linkages. Proceedings of the Nutrition Society, 2020, 79, 457-467.	0.4	37
712	Gammaglobulin and selenium status in healthy neonatal dairy calves in Switzerland. Schweizer Archiv Fur Tierheilkunde, 2012, 154, 389-396.	0.2	7

#	Article	IF	Citations
713	The Poor, Malnutrition, Biofortification, and Biotechnology. , 0, , 149-180.		3
714	Selenium Toxicity and Its Adverse Health Effects. Reviews in Food and Nutrition Toxicity, 2005, , .	0.0	1
715	Who Can Benefit from Selenium?. Oxidative Stress and Disease, 2015, , 3-16.	0.3	1
716	Quantification of Methylated Selenium, Sulfur, and Arsenic in the Environment. PLoS ONE, 2014, 9, e102906.	1.1	28
717	Selenium Supplementation in Fish: A Combined Chemical and Biomolecular Study to Understand Sel-Plex Assimilation and Impact on Selenoproteome Expression in Rainbow Trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	58
718	Selenium Status Is Positively Associated with Bone Mineral Density in Healthy Aging European Men. PLoS ONE, 2016, 11, e0152748.	1.1	48
719	A case-control study of the risk of cutaneous melanoma associated with three selenium exposure indicators. Tumori, 2012, 98, 287-95.	0.6	17
721	Selenium Donors at the Junction of Inflammatory Diseases. Current Pharmaceutical Design, 2019, 25, 1707-1716.	0.9	18
722	Selenium and Selenoproteins: An Overview on Different Biological Systems. Current Protein and Peptide Science, 2014, 15, 598-607.	0.7	117
723	Redox-Active Selenium in Health and Disease: A Conceptual Review. Mini-Reviews in Medicinal Chemistry, 2019, 19, 720-726.	1.1	17
724	Optimising Selenium for Modulation of Cancer Treatments. Anticancer Research, 2017, 37, 6497-6509.	0.5	51
725	The influence of selenium supplementation of animal feed on human selenium intake in Serbia. Biotechnology in Animal Husbandry, 2013, 29, 345-352.	0.5	6
726	Dynamics of dry matter and selenium accumulation in oilseed rape (Brassica napus L.) in response to organic and inorganic selenium treatments. Agricultural and Food Science, 2015, 24, 104-117.	0.3	22
727	The role of selenium in nutrition â€“ A review. Acta Universitatis Sapientiae: Alimentaria, 2018, 11, 128-144.	0.1	27
728	Selenium supply affects chlorophyll concentration and biomass production of maize (Zea mays) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	9
729	The Relationship between the Serum Level of Selenium and Cervical Intraepithelial Neoplasia: A Comparative Study in a Population of Nigerian Women. Asian Pacific Journal of Cancer Prevention, 2019, 20, 1433-1436.	0.5	11
731	ECOLOGICAL ASSESSMENT OF THE ACTION OF SELENIUM IN A SOIL-PLANT SYSTEM IN THE CONDITIONS OF WESTERN SIBERIA. Vestnik Nizhnevartovskogo Gosudarstvennogo Universiteta, 2020, , 104-110.	0.0	3
732	Determination of Physical and Chemical Soil Parameters on Selenium Adsorption, Desorption by Rice Growing Soil. Asian Journal of Plant Sciences, 2014, 13, 147-155.	0.2	2

#	Article	IF	Citations
733	The role of selenium in critical illness: Basic science and clinical implications. Indian Journal of Critical Care Medicine, 2007, 11, 127-138.	0.3	8
734	Mycelial Growth of <i>Pleurotus</i> Spp in Se-Enriched Culture Media. Advances in Microbiology, 2013, 03, 11-18.	0.3	17
735	Analysis of Selenium Content in Root and Tuber Plants in Central Nigeria. American Journal of Analytical Chemistry, 2013, 04, 739-743.	0.3	5
736	Double Burden of Malnutrition: Toxic Metals in Breast Milk May Limit the Amounts of Micronutrients Available to Infants through Breast Milk. Food and Nutrition Sciences (Print), 2019, 10, 298-314.	0.2	2
737	Possible involvement of overexposure to environmental selenium in the etiology of amyotrophic lateral sclerosis: a short review. Annali Dell'Istituto Superiore Di Sanita, 2010, 46, 279-83.	0.2	28
738	Effects of Organic Selenium Supplementation on Meat Quality of Hanwoo Steers. Journal of Animal Science and Technology, 2005, 47, 277-282.	0.8	5
739	Studies on the Selenium Type and Metabolism of Selenium Accumulation in the Selenium-Enriched Mushroom, Flammulina Velutipes, and Its Spent Mushroom Composts. Journal of Animal Science and Technology, 2005, 47, 305-316.	0.8	7
740	Effects of selenium on macro- and micro nutrients and selected qualitative parameters of oat (Avena) Tj ETQq1 1 0.784314 rgBT /Ove	0.5	2
741	Effects of Selenium Supplement on Germination, Sprout Growth and Selenium Uptake in Four Vegetables. Korean Journal of Environmental Agriculture, 2009, 28, 179-185.	0.0	7
742	Direct Determination of Selenium in Serum Matrix by Electrothermal Atomic Absorption Spectrometry: Application on Healthy Individuals from Algeria. Journal of Pharmacy and Nutrition Sciences (discontinued), 2018, 8, 13-19.	0.2	1
743	Selenium uptake, tolerance and reduction inFlammulina velutipessupplied with selenite. PeerJ, 2016, 4, e1993.	0.9	16
744	Sodium selenite treatment of vegetable seeds and seedlings and the effect on antioxidant status. Emirates Journal of Food and Agriculture, 2016, 28, 589.	1.0	6
745	Strategic directions of increase of bean production in Ukraine. Plant Breeding and Seed Production, 2021, , 70-83.	0.2	0
746	Using 77Se-Labelled Foliar Fertilisers to Determine How Se Transfers Within Wheat Over Time. Frontiers in Nutrition, 2021, 8, 732409.	1.6	1
747	Prediagnostic Blood Selenium Status and Mortality among Patients with Colorectal Cancer in Western European Populations. Biomedicines, 2021, 9, 1521.	1.4	8
748	Selenium Biofortification Modulates Plant Growth, Microelement and Heavy Metal Concentrations, Selenium Uptake, and Accumulation in Black-Grained Wheat. Frontiers in Plant Science, 2021, 12, 748523.	1.7	13
749	The Impact of Selenium Fertilization on the Quality Characteristics of Spring Wheat Grain. Agronomy, 2021, 11, 2100.	1.3	5
750	Effect of Selenium Sources on Meat Quality of Hanwoo Steers. Journal of Animal Science and Technology, 2006, 48, 603-610.	0.8	4

#	Article	IF	Citations
751	Functional Foods in the European Union. Nutraceutical Science and Technology, 2007, , 213-250.	0.0	1
752	Effect of Selenium Feeding on Selenium Concentration of Blood and Velvet Antler in Sika deer(Cervus) Tj ETQq1 1 0.784314 rgBT /Over	0.8	1
753	Biofortification in the Food Chain, and Use of Selenium and Phyto-Compounds in Risk Reduction and Control of Prostate Cancer. , 2008, , 17-44.		0
754	Effect of maternal selenium supplementation on pregnancy in humans and livestock. Journal of Elementology, 2011, , .	0.0	8
755	Advances of studies on chemical properties of soil and bioavailability of selenium. Hunan Nong Ye Da Xue Xue Bao = Journal of Hunan Agricultural University, 2011, 37, 220-223.	0.0	0
756	Thyroid Hormone Regulation of Mammalian Reproductive Development and the Potential Impact of Endocrine-Disrupting Chemicals. , 2012, , 139-173.		0
757	Biotechnology crop/cropping biotechnology and Nutritional Improvement crop/cropping nutritional improvement of Crops crop/cropping. , 2012, , 1676-1723.		1
758	Biotechnology crop/cropping biotechnology and Nutritional Improvement crop/cropping nutritional improvement of Crops crop/cropping. , 2013, , 280-327.		0
760	Effect of Seleniferous Whole Crop Barley Silage on Growth Performance, Blood and Carcass Characteristics, and Tissue Selenium Deposition in Finishing Hanwoo Steers. Journal of the Korean Society of Grassland and Forage Science, 2013, 33, 281-289.	0.1	0
761	Neuro-active Compounds Produced by Probiotics: Towards a Microbiota-(Gut-) Brain Axis Control?. , 2014, , 156-184.		0
762	Environmental conditions causing selenium deficiency in sheep. Journal of Elementology, 2014, , .	0.0	0
763	The effect of selenium application to the soil on the sulphur and phosphorus content in potatoes. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2014, 56, 243-250.	0.2	0
764	Integrative Nutrition: Supplements. , 2015, , 49-88.		0
766	Potential roles of underutilized crops/trees in selenium nutrition in Malawi. , 2015, , 151-152.		0
767	Functional Genomics of Selenoproteins and Se-responsive Pathways. , 2016, , 151-173.		1
769	Evaluation of the nutritional quality of veal supplemented with organic selenium and its effect on selenium status of people. Potravinarstvo, 2016, 10, .	0.5	0
770	Antioxidant Status of Macrobasidiomycetes Mycelium Grown in the Presence of Organoselenium Compounds. Izvestiya of Saratov University New Series Series: Chemistry Biology Ecology, 2017, 17, 286-298.	0.0	1
771	UÄinkovit naÄin dodajanja selena v vsakdanjo prehrano s poudarkom na rastlinskih virih. Acta Agriculturae Slovenica, 2017, 109, 147.	0.2	0

#	Article	IF	Citations
772	5 Integrative NutritionSupplements. , 2017, , 49-88.		0
773	PHYSIOLOGICAL QUALITY OF RICE IN THE FUNCTION OF SELENIUM DOSES. Revista De Agricultura Neotropical, 2018, 5, 30-38.	0.3	0
774	Antioxidant Activities of Selenium-Treated Spinacia oleracea L.. Han'gug Sigpum Wi'saeng Anjeonseong Haghoeji, 2018, 33, 510-515.	0.1	1
776	Total antioxidant capacity as an important element in the assessment of soil properties for the production of high-quality agricultural and horticultural raw materials with health-promoting properties. Acta Agrophysica, 2019, 26, 61-76.	0.3	2
777	Impact of selenium application on selenium and phytic acid content in cowpea seeds. , 2019, , 113-114.		0
778	Effect of Selenium Supplementation in Broiler Diets on Breast Meat Deposition. Brazilian Journal of Poultry Science, 2020, 22, .	0.3	1
779	Lantil in world and Ukraine: current state and prospects. Journal of Native and Alien Plant Studies, 2020, .	0.0	2
780	Letter to the Editorâ€"Nano-Se in Chicken Diets: Prospects and Limitation. Biological Trace Element Research, 2021, , 1.	1.9	1
781	Serum Selenium Levels in Patients with Graves Disease: Associations with Clinical Activity and Severity in a Retrospective Case-control Study. Korean Journal of Ophthalmology: KJO, 2022, 36, 36-43.	0.5	6
782	Selenium in Diets. , 2006, , 173-198.		0
784	Selenium and Poultry Products: Nutritional and Safety Implications. , 2008, , 133-141.		1
785	Agronomic biofortification of cereal crop plants with Fe, Zn, and Se, by the utilization of coal fly ash as plant growth media. Advances in Bioresearch, 2012, 3, 130-136.	0.0	8
786	The effects of twenty-four nutrients and phytonutrients on immune system function and inflammation: A narrative review. Journal of Clinical and Translational Research, 2021, 7, 333-376.	0.3	6
787	Reflecting on â€˜Selenium in Global Food Systemsâ€™. British Journal of Nutrition, 2022, 127, 736-738.	1.2	1
788	Nutritional Status of Selenium and Its Association with Diet and Indoor Air Pollution among Pregnant Women in a Rural Area of Northern China. International Journal of Environmental Research and Public Health, 2021, 18, 12090.	1.2	3
789	Essential nutrient element profiles in rice types: a riskâ€"benefit assessment including inorganic arsenic. British Journal of Nutrition, 2022, 128, 888-899.	1.2	1
790	Selenium and the health status, production results, and product quality in poultry. Animal Science Journal, 2021, 92, e13662.	0.6	10
791	Selenium (Se) recovery for technological applications from environmental matrices based on biotic and abiotic mechanisms. Journal of Hazardous Materials, 2022, 427, 128122.	6.5	7

#	Article	IF	Citations
792	Nutrition by Design: Boosting Selenium Content and Fresh Matter Yields of Salad Greens With Preharvest Light Intensity and Selenium Applications. Frontiers in Nutrition, 2021, 8, 787085.	1.6	3
793	Role of Selenium-Tolerant Fungi on Plant Growth Promotion and Selenium Accumulation of Maize Plants Grown in Seleniferous Soils. Water, Air, and Soil Pollution, 2022, 233, 1.	1.1	9
794	Evaluation of the association between gastric cancer and plasma selenium in Zambian adults: a caseâ€“control study. Ecancermedicalscience, 2022, 16, 1351.	0.6	1
795	Macronutrients content of radishes and the influence of biofortification with selenium. Scientia Horticulturae, 2022, 296, 110908.	1.7	2
796	Vegetable Biofortification: An Underexploited Silver Lining for Malnutrition Management. , 2022, , 379-416.		0
797	Role of selenium in IgE mediated soybean allergy development. Critical Reviews in Food Science and Nutrition, 2023, 63, 7016-7024.	5.4	6
798	Cysteine-Activated Small-Molecule H₂Se Donors Inspired by Synthetic H₂S Donors. Journal of the American Chemical Society, 2022, 144, 3957-3967.	6.6	16
799	High Level of Selenium Exposure in the Strong Heart Study: A Cause for Incident Cardiovascular Disease?. Antioxidants and Redox Signaling, 2022, 37, 990-997.	2.5	3
800	Highly Stereoselective Synthesis of Tetrasubstituted Vinyl Selenides via Rhodium-Catalyzed [1,4]-Acyl Migration of Selenoesters and Diazo Compounds. Organic Letters, 2022, 24, 2175-2180.	2.4	11
801	Foliar Spraying of Selenium Combined with Biochar Alleviates Cadmium Toxicity in Peanuts and Enriches Selenium in Peanut Grains. International Journal of Environmental Research and Public Health, 2022, 19, 3542.	1.2	7
802	Selenium in the Prevention of SARS-CoV-2 and Other Viruses. Biological Trace Element Research, 2022, , 1.	1.9	12
803	Safety of selenium exposure and limitations of selenoprotein maximization: Molecular and epidemiologic perspectives. Environmental Research, 2022, 211, 113092.	3.7	30
804	Soil mineral availability and human mineral status: A review and evidence from Malawi. Applied Economic Perspectives and Policy, 0, , .	3.1	2
805	Transcriptome and proteome profiling revealed molecular mechanism of selenium responses in bread wheat (Triticum aestivum L.). BMC Plant Biology, 2021, 21, 584.	1.6	13
819	The Metalloids: Arsenic, Antimony, Selenium, Tellurium and Boron. , 0, , 195-228.		0
820	SELENIUM IN DYSPHAGIC PATIENTS WHO UNDERWENT ENDOSCOPIC GASTROSTOMY FOR LONG TERM ENTERAL FEEDING. Nutricion Hospitalaria, 2015, 32, 2725-33.	0.2	3
821	Nutrition, Immunosenescence, and Infectious Disease: An Overview of the Scientific Evidence on Micronutrients and on Modulation of the Gut Microbiota. Advances in Nutrition, 2022, 13, S1-S26.	2.9	31
822	Nutrigenomics and Green Technologies. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 509-528.	0.3	0

#	Article	IF	Citations
823	Effect of a Fortified Dairy-Based Drink on Micronutrient Status, Growth, and Cognitive Development of Nigerian Toddlers- A Dose-Response Study. Frontiers in Nutrition, 2022, 9, 864856.	1.6	2
824	Selenium Supplementation in Pregnancy-Maternal and Newborn Outcomes. Journal of Nutrition and Metabolism, 2022, 2022, 1-9.	0.7	8
825	Selenium Effect Threshold for Soil Nematodes Under Rice Biofortification. Frontiers in Plant Science, 2022, 13, .	1.7	0
826	Selenium Deficiency After Bariatric Surgery Is More Than Surface Deep. Obesity Surgery, 2022, , 1.	1.1	2
827	A Cross-Sectional Study of the Distribution Patterns and Potential Determinants in Plasma Selenium Status Among Chinese Adults With Hypertension. Frontiers in Nutrition, 2022, 9, .	1.6	2
828	Grain mineral concentration of Chinese winter wheat varieties released between 1970 and 2005 under diverse nutrient inputs. Field Crops Research, 2022, 284, 108576.	2.3	2
829	Selenium Uptake, Transport, Metabolism, Reutilization, and Biofortification in Rice. Rice, 2022, 15, .	1.7	23
830	Discriminative Long-Distance Transport of Selenate and Selenite Triggers Glutathione Oxidation in Specific Subcellular Compartments of Root and Shoot Cells in Arabidopsis. Frontiers in Plant Science, 0, 13, .	1.7	1
831	Dietary Selenium Across Species. Annual Review of Nutrition, 2022, 42, 337-375.	4.3	20
832	Macro and trace element mineral composition of six hemp varieties grown as microgreens. Journal of Food Composition and Analysis, 2022, 114, 104750.	1.9	5
833	Effects of foliar spraying of selenate at different time points on selenium concentration in wheat grains during grain filling period. Grassland Science, 2022, 68, 354-361.	0.6	1
834	Selenium intakes and plasma selenium of New Zealand toddlers: secondary analysis of a randomised controlled trial. British Journal of Nutrition, 2023, 129, 1193-1201.	1.2	1
836	Minerals and Humans. , 2022, , 527-540.		0
837	Selenium Adsorption as Influenced by Different Anions in some Middle Euphrates Soils. IOP Conference Series: Earth and Environmental Science, 2022, 1060, 012004.	0.2	0
838	Oxidative Stress-Related Semen Quality and Fertility in the Male Arabian Yellowfin Sea Bream (Acanthopagrus arabicus) Fed a Selenium Nanoparticle-Supplemented Plant Protein-Rich Diet. Aquaculture Nutrition, 2022, 2022, 1-17.	1.1	4
839	Advances in the Study of the Mechanism by Which Selenium and Selenoproteins Boost Immunity to Prevent Food Allergies. Nutrients, 2022, 14, 3133.	1.7	9
840	Uptake and translocation mechanisms of different forms of organic selenium in rice (Oryza sativa L.). Frontiers in Plant Science, 0, 13, .	1.7	4
841	Vegan nutrition: a preliminary guide for health professionals. Critical Reviews in Food Science and Nutrition, 2024, 64, 670-707.	5.4	8

#	Article	IF	Citations
842	Selenium status and type 2 diabetes risk. Archives of Biochemistry and Biophysics, 2022, 730, 109400.	1.4	9
843	Initial Study on Selenium and Cadmium Enrichment Characteristics of High Quality Rice Varieties. Hans Journal of Agricultural Sciences, 2022, 12, 551-561.	0.0	0
844	Functional constituents of plant-based foods boost immunity against acute and chronic disorders. Open Life Sciences, 2022, 17, 1075-1093.	0.6	13
845	Foliar selenium fertilization alters the content of dietary phytochemicals in two rocket species. Frontiers in Plant Science, 0, 13, .	1.7	4
846	Sex-specific relationship between blood selenium levels and platelet count in a large cohort representative of the United States population. Platelets, 2022, 33, 1287-1292.	1.1	1
847	Efficacy and Comparison of Different Strategies for Selenium Biofortification of Tomatoes. Horticulturae, 2022, 8, 800.	1.2	5
848	Does Methionine Status Influence the Outcome of Selenomethinione Supplementation? A Comparative Study of Metabolic and Selenium Levels in HepG2 Cells. Nutrients, 2022, 14, 3705.	1.7	2
849	Long-Term Selenium-Yeast Supplementation Does Not Affect Bone Turnover Markers: A Randomized Placebo-Controlled Trial. Journal of Bone and Mineral Research, 2020, 37, 2165-2173.	3.1	0
850	Micronutrients and Plant Food Bioactive Compounds against Obesity Related Diseases. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2022, 22, .	0.6	0
851	A reliable method of high performance liquid chromatography coupled with inductively coupled plasma mass spectrometry for determining selenoamino acids in selenoproteins from Lactococcus lactis. Journal of Chromatography A, 2022, 1685, 463590.	1.8	2
852	Environmentally relevant concentrations of selenite trigger reproductive toxicity by affecting oocyte development and promoting larval apoptosis. Environmental Pollution, 2023, 316, 120648.	3.7	4
853	No clear concerns related to health risks in the European population with low inorganic arsenic exposure (overview). Human and Ecological Risk Assessment (HERA), 2023, 29, 245-283.	1.7	2
854	Understanding soil selenium accumulation and bioavailability through size resolved and elemental characterization of soil extracts. Nature Communications, 2022, 13, .	5.8	16
855	Synergistic effects of the Se and Zn supplemental combination on the nutrient improvement of mannitol and adenosine and the multi-element bioaccessibility in Cordyceps cicadae. LWT - Food Science and Technology, 2023, 173, 114354.	2.5	3
856	Novel multifunctional natural selenium supplement development, in vitro and in vivo analysis, and risk-benefit assessment: Selenium-enriched chicory as a case study. Journal of Cleaner Production, 2023, 382, 135273.	4.6	0
857	Selenium concentration in soil, and in the feed and hair coat of Polish Holstein- Friesian cows administered a mineral mixture. Indian Journal of Animal Sciences, 2018, 88, 1207-1210.	0.1	5
858	Highland barley grain and soil surveys reveal the widespread deficiency of dietary selenium intake of Tibetan adults living along Yalung Zangpo River. Frontiers in Sustainable Food Systems, 0, 6, .	1.8	1
859	How Does Selenium Intake Differ among Children (1â€“3 Years) on Vegetarian, Vegan, and Omnivorous Diets? Results of the VeChi Diet Study. Nutrients, 2023, 15, 34.	1.7	4

#	Article	IF	Citations
860	Association of habitually low intake of dietary selenium with new-onset stroke: A retrospective cohort study (2004â€“2015 China Health and Nutrition Survey). Frontiers in Public Health, 0, 10, .	1.3	2
861	Scientific opinion on the tolerable upper intake level for selenium. EFSA Journal, 2023, 21, .	0.9	12
862	Beneficial elements. , 2023, , 387-418.		2
863	Natural Sources of Selenium as Functional Food Products for Chemoprevention. Foods, 2023, 12, 1247.	1.9	3
864	Effect of Selenium Deficiency on the Development of Overt Hepatic Encephalopathy in Patients with Chronic Liver Disease. Journal of Clinical Medicine, 2023, 12, 2869.	1.0	1
865	Selenium-enriched plant foods: Selenium accumulation, speciation, and health functionality. Frontiers in Nutrition, 0, 9, .	1.6	13
866	Selenium Biofortification: Strategies, Progress and Challenges. Agriculture (Switzerland), 2023, 13, 416.	1.4	17
867	Illumina RNA and SMRT Sequencing Reveals the Mechanism of Uptake and Transformation of Selenium Nanoparticles in Soybean Seedlings. Plants, 2023, 12, 789.	1.6	5
868	Effect of Se application on selenium accumulation and fruit quality in pear (Pyrus ussuriensis). Acta Physiologiae Plantarum, 2023, 45, .	1.0	1
869	Biofortification of Wheat Using Current Resources and Future Challenges. , 2023, , 173-208.		0
870	Biofortification of Barley for Nutritional Security. , 2023, , 235-258.		0
871	Sulfur and Selenium in Nutrition Biology. , 2023, , 683-704.		0
872	Selenium Species and Fractions in the Rockâ€“Soilâ€“Plant Interface of Maize (Zea mays L.) Grown in a Natural Ultra-Rich Se Environment. International Journal of Environmental Research and Public Health, 2023, 20, 4032.	1.2	2
873	Effects of Selenium Yeast on Egg Quality, Plasma Antioxidants, Selenium Deposition and Eggshell Formation in Aged Laying Hens. Animals, 2023, 13, 902.	1.0	3
874	Selenium Speciation in Se-Enriched Soybean Grains from Biofortified Plants Grown under Different Methods of Selenium Application. Foods, 2023, 12, 1214.	1.9	2
875	Exiguobacterium sp. as a bioinoculant for plant-growth promotion and Selenium biofortification strategies in horticultural plants. World Journal of Microbiology and Biotechnology, 2023, 39, .	1.7	5
879	An Overview of the Antioxidant and Anti-Inflammatory Activity of Selenium. , 0, , .		1
894	Selenium: A global contaminant of significant concern to environment and human health. , 2024, , 427-480.		2

#	Article	IF	Citations
896	Selenium Biofortification in Agronomic Crops. , 2023, , 139-157.		0
907	Physiological Traits Associated with Genetic Improvement of Small Millets. , 2024, , 153-174.		0
911	Nutrigenomics and Green Technologies. , 2023, , 1215-1234.		0