

Biofortification – A Sustainable Agricultural Strategy for Malnutrition in the Global South

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Variation and inheritance of iron reductase activity in the roots of common bean (<i>Phaseolus vulgaris</i>) Tj ETQq0 0 0 rēBT /Overlock 10 Tf 156	1.6	51
2	Science for Development: Mobilizing Global Partnerships. <i>Crop Science</i> , 2010, 50, v-viii.	0.8	7
3	Cassava: The Drought, War and Famine Crop in a Changing World. <i>Sustainability</i> , 2010, 2, 3572-3607.	1.6	202
4	Regulation of the adaptation to zinc deficiency in plants. <i>Plant Signaling and Behavior</i> , 2010, 5, 1553-1555.	1.2	49
5	Identification of putative target genes to manipulate Fe and Zn concentrations in rice grains. <i>Journal of Plant Physiology</i> , 2010, 167, 1500-1506.	1.6	125
6	Vitamins in plants: occurrence, biosynthesis and antioxidant function. <i>Trends in Plant Science</i> , 2010, 15, 582-592.	4.3	288
7	Iodine sequestration by amylose to combat iodine deficiency disorders. <i>Trends in Food Science and Technology</i> , 2011, 22, 335-340.	7.8	30
8	Farming for balanced nutrition: an agricultural approach to addressing micronutrient deficiency among the vulnerable poor in Africa. <i>African Journal of Food, Agriculture, Nutrition and Development</i> , 2011, 11, .	0.1	7
9	The Role of Food and Nutrition System Approaches in Tackling Hidden Hunger. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 358-373.	1.2	188
10	Physiological Limits to Zinc Biofortification of Edible Crops. <i>Frontiers in Plant Science</i> , 2011, 2, 80.	1.7	223
11	Evaluating Sweet Potato as an Intervention Food to Prevent Vitamin A Deficiency. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2011, 10, 118-130.	5.9	112
12	The usefulness of iron bioavailability as a target trait for breeding maize (<i>Zea mays</i> L.) with enhanced nutritional value. <i>Field Crops Research</i> , 2011, 123, 153-160.	2.3	46
13	Biofortification of wheat with iron through soil and foliar application of nitrogen and iron fertilizers. <i>Plant and Soil</i> , 2011, 349, 215-225.	1.8	181
14	Introgression of group 4 and 7 chromosomes of <i>Ae. peregrina</i> in wheat enhances grain iron and zinc density. <i>Molecular Breeding</i> , 2011, 28, 623-634.	1.0	44
15	Review: Breeding wheat for enhanced micronutrients. <i>Canadian Journal of Plant Science</i> , 2011, 91, 231-237.	0.3	54
16	Quantitative Trait Loci for Biofortification Traits in Maize Grain. <i>Journal of Heredity</i> , 2012, 103, 47-54.	1.0	86
17	Stable Iron Isotope Studies in Rwandese Women Indicate That the Common Bean Has Limited Potential as a Vehicle for Iron Biofortification,. <i>Journal of Nutrition</i> , 2012, 142, 492-497.	1.3	72
18	Bioavailable zinc in grains of bread wheat varieties of Pakistan. <i>Cereal Research Communications</i> , 2012, 40, 62-73.	0.8	33

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19	Bio-fortification of potato tubers using foliar zinc-fertiliser. <i>Journal of Horticultural Science and Biotechnology</i> , 2012, 87, 123-129.	0.9	37
20	Performance of biofortified spring wheat genotypes in target environments for grain zinc and iron concentrations. <i>Field Crops Research</i> , 2012, 137, 261-267.	2.3	124
21	Different increases in maize and wheat grain zinc concentrations caused by soil and foliar applications of zinc in Loess Plateau, China. <i>Field Crops Research</i> , 2012, 135, 89-96.	2.3	109
22	Mapping QTLs and candidate genes for iron and zinc concentrations in unpolished rice of Madhukar—Swarna RILs. <i>Gene</i> , 2012, 508, 233-240.	1.0	187
23	Grain concentrations of protein, iron and zinc and bread making quality in spring wheat as affected by seeding date and nitrogen fertilizer management. <i>Journal of Geochemical Exploration</i> , 2012, 121, 36-44.	1.5	46
25	Biofortification of wheat with zinc through zinc fertilization in seven countries. <i>Plant and Soil</i> , 2012, 361, 119-130.	1.8	216
26	Biofortification of rice grain with zinc through zinc fertilization in different countries. <i>Plant and Soil</i> , 2012, 361, 131-141.	1.8	213
27	Biofortification and estimated human bioavailability of zinc in wheat grains as influenced by methods of zinc application. <i>Plant and Soil</i> , 2012, 361, 279-290.	1.8	129
28	Managing the Nutrition of Plants and People. <i>Applied and Environmental Soil Science</i> , 2012, 2012, 1-13.	0.8	56
29	Probability of success of breeding strategies for improving pro-vitamin A content in maize. <i>Theoretical and Applied Genetics</i> , 2012, 125, 235-246.	1.8	21
30	Mineral bioavailability in grains of Pakistani bread wheat declines from old to current cultivars. <i>Euphytica</i> , 2012, 186, 153-163.	0.6	20
31	Evaluation of Iodide and Iodate for Adsorption—Desorption Characteristics and Bioavailability in Three Types of Soil. <i>Biological Trace Element Research</i> , 2012, 146, 262-271.	1.9	30
32	Zinc biofortification of wheat through fertilizer applications in different locations of China. <i>Field Crops Research</i> , 2012, 125, 1-7.	2.3	137
33	Food system strategies for preventing micronutrient malnutrition. <i>Food Policy</i> , 2013, 42, 115-128.	2.8	249
34	Mineral Biofortification Strategies for Food Staples: The Example of Common Bean. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 8287-8294.	2.4	126
35	Zinc — An Indispensable Micronutrient. <i>Physiology and Molecular Biology of Plants</i> , 2013, 19, 11-20.	1.4	198
36	The Impact of Micronutrient Deficiencies in Agricultural Soils and Crops on the Nutritional Health of Humans. , 2013, , 517-533.		14
37	Zinc fertilizer placement affects zinc content in maize plant. <i>Plant and Soil</i> , 2013, 372, 81-92.	1.8	52

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38	Marker-trait association analysis of functional gene markers for provitamin A levels across diverse tropical yellow maize inbred lines. <i>BMC Plant Biology</i> , 2013, 13, 227.	1.6	93
39	Genetic Diversity for Wheat Improvement as a Conduit to Food Security. <i>Advances in Agronomy</i> , 2013, , 179-257.	2.4	124
41	Nutritional enhancement of rice for human health: The contribution of biotechnology. <i>Biotechnology Advances</i> , 2013, 31, 50-57.	6.0	175
42	Validation of the effects of molecular marker polymorphisms in LcyE and CrtRB1 on provitamin A concentrations for 26 tropical maize populations. <i>Theoretical and Applied Genetics</i> , 2013, 126, 389-399.	1.8	152
43	High-Throughput and Precision Phenotyping for Cereal Breeding Programs. , 2013, , 341-374.		17
44	Zinc bioavailability response curvature in wheat grains under incremental zinc applications. <i>Archives of Agronomy and Soil Science</i> , 2013, 59, 1001-1016.	1.3	18
45	Food, Nutrition and Agrobiodiversity Under Global Climate Change. <i>Advances in Agronomy</i> , 2013, 120, 1-128.	2.4	85
46	Iron concentration, bioavailability, and nutritional quality of polished rice affected by different forms of foliar iron fertilizer. <i>Food Chemistry</i> , 2013, 141, 4122-4126.	4.2	64
47	Abiotic stress growth conditions induce different responses in kernel iron concentration across genotypically distinct maize inbred varieties. <i>Frontiers in Plant Science</i> , 2013, 4, 488.	1.7	5
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49	Genome-Wide Association Study and Pathway-Level Analysis of Tocochromanol Levels in Maize Grain. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 1287-1299.	0.8	152
50	Total Iron Absorption by Young Women from Iron-Biofortified Pearl Millet Composite Meals Is Double That from Regular Millet Meals but Less Than That from Post-Harvest Iron-Fortified Millet Meals. <i>Journal of Nutrition</i> , 2013, 143, 1376-1382.	1.3	110
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53	An Overview of Omics for Wheat Grain Quality Improvement. , 2013, , 307-344.		2
54	Metallic trace elements in cereal grain – a review: how much metal do we eat?. <i>Food and Energy Security</i> , 2013, 2, 81-95.	2.0	57
55	COMPARATIVE STUDIES ON THE IRON AND ZINC CONTENTS ESTIMATION USING ATOMIC ABSORPTION SPECTROPHOTOMETER AND GRAIN STAINING TECHNIQUES (PRUSSIAN BLUE AND DTZ) IN MAIZE GERMPLASMS. <i>Journal of Plant Nutrition</i> , 2013, 36, 329-342.	0.9	15
56	Ionic Characterization of Maize Kernels in the Intermated B73 × Mo17 Population. <i>Crop Science</i> , 2013, 53, 208-220.	0.8	65
57	Macro-relationships between regional-scale field pea (<i>Pisum sativum</i>) selenium chemistry and environmental factors in western Canada. <i>Canadian Journal of Plant Science</i> , 2013, 93, 1059-1071.	0.3	5

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58	Genetic Analysis of Visually Scored Orange Kernel Color in Maize. <i>Crop Science</i> , 2013, 53, 189-200.	0.8	66
59	Zn/Fe remobilization from vegetative tissues to rice seeds: should I stay or should I go? Ask Zn/Fe supply!. <i>Frontiers in Plant Science</i> , 2013, 4, 464.	1.7	52
60	Fatty Acid, Flavonol, and Mineral Composition Variability among Seven <i>Macrotyloma uniflorum</i> (Lam.) Verdc. Accessions. <i>Agriculture (Switzerland)</i> , 2013, 3, 157-169.	1.4	18
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62	Effects of S ₁ Recurrent Selection for Provitamin A Carotenoid Content for Three Open-Pollinated Maize Cultivars. <i>Crop Science</i> , 2014, 54, 2449-2460.	0.8	35
63	Development of β -Carotene Rich Maize Hybrids through Marker-Assisted Introgression of β -carotene hydroxylase Allele. <i>PLoS ONE</i> , 2014, 9, e113583.	1.1	154
64	Hidden shift of the ionome of plants exposed to elevated CO ₂ depletes minerals at the base of human nutrition. <i>ELife</i> , 2014, 3, e02245.	2.8	311
65	Prevention and control of micronutrient deficiencies in developing countries: current perspectives. <i>Nutrition and Dietary Supplements</i> , 0, , 41.	0.7	9
66	Identification of putative candidate gene markers for grain zinc content using recombinant inbred lines (RIL) population of IRRI38 X Jeerigesanna. <i>African Journal of Biotechnology</i> , 2014, 13, 657-663.	0.3	44
67	Genetic Evaluation of Micronutrient Traits in Diploid Potato from a Base Population of Andean Landrace Cultivars. <i>Crop Science</i> , 2014, 54, 1949-1959.	0.8	34
68	Biofortification: Trojan horse of corporate food control?. <i>Development</i> , 2014, 57, 201-209.	0.5	3
69	Enhancing Nutritional Quality in Crops Via Genomics Approaches. , 2014, , 417-429.		6
70	Genetic loci associated with high grain zinc concentration and pleiotropic effect on kernel weight in wheat (<i>Triticum aestivum</i> L.). <i>Molecular Breeding</i> , 2014, 34, 1893-1902.	1.0	56
71	Bioavailability of iron, zinc, and provitamin A carotenoids in biofortified staple crops. <i>Nutrition Reviews</i> , 2014, 72, 289-307.	2.6	131
72	Dietary mineral supplies in Africa. <i>Physiologia Plantarum</i> , 2014, 151, 208-229.	2.6	178
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74	Phytic Acid Concentration Influences Iron Bioavailability from Biofortified Beans in Rwandese Women with Low Iron Status. <i>Journal of Nutrition</i> , 2014, 144, 1681-1687.	1.3	82
75	Assessment of genetic diversity in rice [<i>Oryza sativa</i> L.] germplasm based on agro-morphology traits and zinc-iron content for crop improvement. <i>Physiology and Molecular Biology of Plants</i> , 2014, 20, 209-224.	1.4	34

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76	Inoculation of zinc solubilizing <i>Bacillus aryabhattai</i> strains for improved growth, mobilization and biofortification of zinc in soybean and wheat cultivated in Vertisols of central India. <i>Applied Soil Ecology</i> , 2014, 73, 87-96.	2.1	286
77	Biofortification strategies to increase grain zinc and iron concentrations in wheat. <i>Journal of Cereal Science</i> , 2014, 59, 365-372.	1.8	339
78	Iron Speciation in Beans (<i>Phaseolus vulgaris</i>) Biofortified by Common Breeding. <i>Journal of Food Science</i> , 2014, 79, C1629-34.	1.5	27
79	Agronomic Biofortification of Cereal Grains with Iron and Zinc. <i>Advances in Agronomy</i> , 2014, 125, 55-91.	2.4	121
80	Zn and Fe biofortification: The right chemical environment for human bioavailability. <i>Plant Science</i> , 2014, 225, 52-57.	1.7	80
81	Enhancement of zeaxanthin in two-steps by environmental stress induction in rocket and spinach. <i>Food Research International</i> , 2014, 65, 207-214.	2.9	17
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84	Worldwide Genetic Diversity for Mineral Element Concentrations in Rice Grain. <i>Crop Science</i> , 2015, 55, 294-311.	0.8	159
86	Genetic variability and inter-relationship of kernel carotenoids among indigenous and exotic maize (<i>Zea mays</i> L.) inbreds. <i>Cereal Research Communications</i> , 2015, 43, 567-578.	0.8	24
87	Association Mapping of Quantitative Trait Loci for Mineral Element Contents in Whole Grain Rice (<i>Oryza sativa</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10885-10892.	2.4	109
88	Genetic control and transgressive segregation of zinc, iron, potassium, phosphorus, calcium, and sodium accumulation in cowpea (<i>Vigna unguiculata</i>) seeds. <i>Genetics and Molecular Research</i> , 2015, 14, 259-268.	0.3	21
89	Heavy Metals in Crop Plants: Transport and Redistribution Processes on the Whole Plant Level. <i>Agronomy</i> , 2015, 5, 447-463.	1.3	158
90	Stability Performance of Inductively Coupled Plasma Mass Spectrometry-Phenotyped Kernel Minerals Concentration and Grain Yield in Maize in Different Agro-Climatic Zones. <i>PLoS ONE</i> , 2015, 10, e0139067.	1.1	22
91	Review of functional markers for improving cooking, eating, and the nutritional qualities of rice. <i>Frontiers in Plant Science</i> , 2015, 6, 832.	1.7	38
92	Closing the Divide between Human Nutrition and Plant Breeding. <i>Crop Science</i> , 2015, 55, 1437-1448.	0.8	36
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97	Biofortification for Selecting and Developing Crop Cultivars Denser in Iron and Zinc. , 2015, , 237-253.		9
98	Genetics- and genomics-based interventions for nutritional enhancement of grain legume crops: status and outlook. <i>Journal of Applied Genetics</i> , 2015, 56, 151-161.	1.0	48
99	Understanding Genetic and Molecular Bases of Fe and Zn Accumulation Towards Development of Micronutrient-Enriched Maize. , 2015, , 255-282.		18
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101	Evaluation of Different PGPR Strains for Yield Enhancement and Higher Zn Content in Different Genotypes of Rice (<i>Oryza Sativa</i>). <i>Journal of Plant Nutrition</i> , 2015, 38, 456-472.	0.9	9
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103	Biofortification of sweet potato for food and nutrition security in South Africa. <i>Food Research International</i> , 2015, 76, 962-970.	2.9	74
104	Review: The Potential of the Common Bean (<i>Phaseolus vulgaris</i>) as a Vehicle for Iron Biofortification. <i>Nutrients</i> , 2015, 7, 1144-1173.	1.7	202
105	Versatility of carotenoids: An integrated view on diversity, evolution, functional roles and environmental interactions. <i>Environmental and Experimental Botany</i> , 2015, 119, 63-75.	2.0	124
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111	Prospecting plant growth promoting bacteria and cyanobacteria as options for enrichment of macro- and micronutrients in grains in rice-wheat cropping sequence. <i>Cogent Food and Agriculture</i> , 2015, 1, 1037379.	0.6	62
112	Got to hide your Zn away: Molecular control of Zn accumulation and biotechnological applications. <i>Plant Science</i> , 2015, 236, 1-17.	1.7	102
113	Molecular Characterization of Exotic and Indigenous Maize Inbreds for Biofortification with Kernel Carotenoids. <i>Food Biotechnology</i> , 2015, 29, 276-295.	0.6	19

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114	Comprehensive phenotypic analysis and quantitative trait locus identification for grain mineral concentration, content, and yield in maize (<i>Zea mays</i> L.). <i>Theoretical and Applied Genetics</i> , 2015, 128, 1777-1789.	1.8	52
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117	Iron and Zinc Status of 6-Month to 5-Year-Old Children From Low-Income Rural Families of Punjab, India. <i>Food and Nutrition Bulletin</i> , 2015, 36, 254-263.	0.5	20
118	Selenium in soils under climate change, implication for human health. <i>Environmental Chemistry Letters</i> , 2015, 13, 1-19.	8.3	77
119	Diffusion and solubility control of fertilizer-applied zinc: chemical assessment and visualization. <i>Plant and Soil</i> , 2015, 386, 195-204.	1.8	15
120	Salad Crops: Root, Bulb, and Tuber Crops. , 2016, , 679-683.		3
121	Microbiome, Prebiotics, and Human Health. , 2016, , 335-343.		1
122	Enriching Rice Grain Zinc through Zinc Fertilization and Water Management. <i>Soil Science Society of America Journal</i> , 2016, 80, 121-134.	1.2	19
123	Mineral Nutritional Yield and Nutrient Density of Locally Adapted Wheat Genotypes under Organic Production. <i>Foods</i> , 2016, 5, 89.	1.9	31
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125	Dietary Interventions for Type 2 Diabetes: How Millet Comes to Help. <i>Frontiers in Plant Science</i> , 2016, 7, 1454.	1.7	49
126	The Challenges and Opportunities Associated with Biofortification of Pearl Millet (<i>Pennisetum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262	1.7	37
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128	Molecular speciation and tissue compartmentation of zinc in durum wheat grains with contrasting nutritional status. <i>New Phytologist</i> , 2016, 211, 1255-1265.	3.5	77
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130	Spatially resolved analysis of variation in barley (<i>Hordeum vulgare</i>) grain micronutrient accumulation. <i>New Phytologist</i> , 2016, 211, 1241-1254.	3.5	46
131	Assessment of genetic variability for grain nutrients from diverse regions: potential for wheat improvement. <i>SpringerPlus</i> , 2016, 5, 1912.	1.2	50

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133	Provitamin A Enrichment for Tackling Malnutrition. , 2016, , 277-299.		9
134	Zinc bioavailability in maize grains in response of phosphorousâ€“zinc interaction. Journal of Plant Nutrition and Soil Science, 2016, 179, 60-66.	1.1	41
135	Iron Biofortification of Cereals Grown Under Calcareous Soils: Problems and Solutions. , 2016, , 231-258.		8
136	The effectiveness of extension strategies for increasing the adoption of biofortified crops: the case of quality protein maize in East Africa. Food Security, 2016, 8, 1101-1121.	2.4	19
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139	Effect of different amendments on rice (<i>Oryza sativa</i> L.) growth, yield, nutrient uptake and grain quality in Ni-contaminated soil. Environmental Science and Pollution Research, 2016, 23, 18585-18595.	2.7	51
140	Toxic Heavy Metal and Metalloid Accumulation in Crop Plants and Foods. Annual Review of Plant Biology, 2016, 67, 489-512.	8.6	825
141	Determination of zinc in rice grains using DTZ staining and ImageJ software. Journal of Cereal Science, 2016, 68, 53-58.	1.8	13
142	Genetic diversity for grain Zn concentration in finger millet genotypes: Potential for improving human Zn nutrition. Crop Journal, 2016, 4, 229-234.	2.3	15
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145	Biofortification: A new approach to eradicate hidden hunger. Food Reviews International, 2017, 33, 1-21.	4.3	69
146	How metal hyperaccumulating plants can advance Zn biofortification. Plant and Soil, 2017, 411, 111-120.	1.8	43
147	Zinc fertilization approaches for agronomic biofortification and estimated human bioavailability of zinc in maize grain. Archives of Agronomy and Soil Science, 2017, 63, 106-116.	1.3	43
148	Biofortifying Scottish potatoes with zinc. Plant and Soil, 2017, 411, 151-165.	1.8	38
149	Response of common bean varieties to the magnesium application in the tropical soil. Journal of Plant Nutrition, 2017, 40, 207-218.	0.9	4

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150	Content of iron, zinc and manganese in grains of <i>Triticum aestivum</i> , <i>Secale cereale</i> , <i>Hordeum vulgare</i> and <i>Avena sativa</i> cultivars registered in Russia. <i>Genetic Resources and Crop Evolution</i> , 2017, 64, 1955-1961.	0.8	25
151	Improving iron bioavailability and nutritional value of maize (<i>Zea mays</i> L.) in sulfur-treated calcareous soil. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1255-1266.	1.3	10
152	The importance of minerals in human nutrition: Bioavailability, food fortification, processing effects and nanoencapsulation. <i>Trends in Food Science and Technology</i> , 2017, 62, 119-132.	7.8	424
153	The research and implementation continuum of biofortified sweet potato and maize in Africa. <i>Annals of the New York Academy of Sciences</i> , 2017, 1390, 88-103.	1.8	39
154	Accruing genetic gain in pro-vitamin A enrichment from harnessing diverse maize germplasm. <i>Euphytica</i> , 2017, 213, 1.	0.6	35
155	Caution of intensified spread of antibiotic resistance genes by inadvertent introduction of beneficial bacteria into soil. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2017, 67, 576-582.	0.3	11
156	Biochemicals. , 2017, , 141-183.		0
157	Selenium Biofortification. <i>Plant Ecophysiology</i> , 2017, , 231-255.	1.5	31
159	Zinc biofortification of wheat through preceding crop residue incorporation into the soil. <i>European Journal of Agronomy</i> , 2017, 89, 131-139.	1.9	11
160	Accumulation, partitioning, and bioavailability of micronutrients in summer maize as affected by phosphorus supply. <i>European Journal of Agronomy</i> , 2017, 86, 48-59.	1.9	39
161	Agronomic biofortification of crops to fight hidden hunger in sub-Saharan Africa. <i>Global Food Security</i> , 2017, 12, 8-14.	4.0	211
162	Vitamin B1 diversity and characterization of biosynthesis genes in cassava. <i>Journal of Experimental Botany</i> , 2017, 68, 3351-3363.	2.4	28
163	Acceptance and adoption of biofortified crops in low- and middle-income countries: a systematic review. <i>Nutrition Reviews</i> , 2017, 75, 798-829.	2.6	52
164	Genetic analysis of provitamin A carotenoid β -cryptoxanthin concentration and relationship with other carotenoids in maize grain (<i>Zea mays</i> L.). <i>Molecular Breeding</i> , 2017, 37, 1.	1.0	9
165	Zinc fertilization increases productivity and grain nutritional quality of cowpea (<i>Vigna unguiculata</i>) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	2.3	45
166	Combined zinc and nitrogen fertilization in different bread wheat genotypes grown under mediterranean conditions. <i>Cereal Research Communications</i> , 2017, 45, 154-165.	0.8	26
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170	EDTA alone enhanced soil zinc availability and winter wheat grain Zn concentration on calcareous soil. <i>Environmental and Experimental Botany</i> , 2017, 141, 19-27.	2.0	24
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338	Iron concentration of potato and sweetpotato clones as affected by location. <i>Journal of Agriculture and Food Research</i> , 2021, 3, 100100.	1.2	2
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350	Protein Hydrolysates and Mo-Biofortification Interactively Modulate Plant Performance and Quality of "Canasta"™ Lettuce Grown in a Protected Environment. <i>Agronomy</i> , 2021, 11, 1023.	1.3	24
351	The Interactive Approach of Rhizobacteria and l-tryptophan on Growth, Physiology, Tuber Characteristics, and Iron Concentration of Potato (<i>Solanum tuberosum</i> L.). <i>Journal of Plant Growth Regulation</i> , 2022, 41, 1359-1366.	2.8	12
352	Combining ability and genetic diversity under low-temperature conditions at germination stage of maize (<i>Zea mays</i> L.). <i>Euphytica</i> , 2021, 217, 1.	0.6	0
353	Molecular Mechanisms and Biochemical Pathways for Micronutrient Acquisition and Storage in Legumes to Support Biofortification for Nutritional Security. <i>Frontiers in Plant Science</i> , 2021, 12, 682842.	1.7	19
354	QTL Mapping for Grain Zinc and Iron Concentrations in Bread Wheat. <i>Frontiers in Nutrition</i> , 2021, 8, 680391.	1.6	17
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359	Synergistic inhibitory effect of selenium, iron, and humic acid on cadmium uptake in rice (<i>Oryza sativa</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 64652-64665.	2.7	4
360	Assessment of sorghum production constraints and farmer preferences for sorghum variety in Uganda: implications for nutritional quality breeding. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2021, 71, 620-632.	0.3	6
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398	Overexpression of native ferritin gene <i>MusaFer1</i> enhances iron content and oxidative stress tolerance in transgenic banana plants. <i>PLoS ONE</i> , 2017, 12, e0188933.	1.1	28
399	Transporter genes identified in landraces associated with high zinc in polished rice through panicle transcriptome for biofortification. <i>PLoS ONE</i> , 2018, 13, e0192362.	1.1	46
400	Genotypic Variation for Micronutrient Content in Traditional and Improved Rice Lines and its Role in Biofortification Programme. <i>Indian Journal of Science and Technology</i> , 2014, 7, 1414-1425.	0.5	23
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452	A Review on Biofortification - To Improve Nutritional Quality of Cereals. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2020, 9, 2406-2423.	0.0	0
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516	The Role of Sulfur in Agronomic Biofortification with Essential Micronutrients. <i>Plants</i> , 2022, 11, 1979.	1.6	6
517	CRISPR-Based Genome Editing for Nutrient Enrichment in Crops: A Promising Approach Toward Global Food Security. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	29
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519	Genome-wide association mapping of nutritional traits for designing superior chickpea varieties. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
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