

# Ä°smaÄ°l Ä°akmak

## List of Publications by Year in descending order

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231  
papers

26,834  
citations

5891

81  
h-index

6831

155  
g-index

234  
all docs

234  
docs citations

234  
times ranked

13985  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enrichment of cereal grains with zinc: Agronomic or genetic biofortification?. <i>Plant and Soil</i> , 2008, 302, 1-17.	1.8	1,553
2	Magnesium Deficiency and High Light Intensity Enhance Activities of Superoxide Dismutase, Ascorbate Peroxidase, and Glutathione Reductase in Bean Leaves. <i>Plant Physiology</i> , 1992, 98, 1222-1227.	2.3	1,435
3	Effect of aluminium on lipid peroxidation, superoxide dismutase, catalase, and peroxidase activities in root tips of soybean ( <i>Glycine max</i> ). <i>Physiologia Plantarum</i> , 1991, 83, 463-468.	2.6	1,425
4	Tansley Review No. 111. <i>New Phytologist</i> , 2000, 146, 185-205.	3.5	1,047
5	The role of potassium in alleviating detrimental effects of abiotic stresses in plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2005, 168, 521-530.	1.1	901
6	REVIEW: Biofortification of Durum Wheat with Zinc and Iron. <i>Cereal Chemistry</i> , 2010, 87, 10-20.	1.1	599
7	Agronomic biofortification of cereals with zinc: a review. <i>European Journal of Soil Science</i> , 2018, 69, 172-180.	1.8	561
8	Effect of mineral nutritional status on shoot-root partitioning of photoassimilates and cycling of mineral nutrients. <i>Journal of Experimental Botany</i> , 1996, 47, 1255-1263.	2.4	483
9	Biofortification and Localization of Zinc in Wheat Grain. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 9092-9102.	2.4	427
10	Role of magnesium in carbon partitioning and alleviating photooxidative damage. <i>Physiologia Plantarum</i> , 2008, 133, 692-704.	2.6	387
11	Plant nutrition research: Priorities to meet human needs for food in sustainable ways. <i>Plant and Soil</i> , 2002, 247, 3-24.	1.8	383
12	Function of Nutrients. , 2012, , 191-248.		383
13	Activities of Hydrogen Peroxide-Scavenging Enzymes in Germinating <i>Wheat</i> Seeds. <i>Journal of Experimental Botany</i> , 1993, 44, 127-132.	2.4	380
14	Partitioning of shoot and root dry matter and carbohydrates in bean plants suffering from phosphorus, potassium and magnesium deficiency. <i>Journal of Experimental Botany</i> , 1994, 45, 1245-1250.	2.4	370
15	Biofortification strategies to increase grain zinc and iron concentrations in wheat. <i>Journal of Cereal Science</i> , 2014, 59, 365-372.	1.8	339
16	Changes in phloem export of sucrose in leaves in response to phosphorus, potassium and magnesium deficiency in bean plants. <i>Journal of Experimental Botany</i> , 1994, 45, 1251-1257.	2.4	320
17	Boron deficiency-induced impairments of cellular functions in plants. <i>Plant and Soil</i> , 1997, 193, 71-83.	1.8	314
18	Concentration and localization of zinc during seed development and germination in wheat. <i>Physiologia Plantarum</i> , 2006, 128, 144-152.	2.6	314

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19	<i>Triticum dicoccoides</i> : An important genetic resource for increasing zinc and iron concentration in modern cultivated wheat. <i>Soil Science and Plant Nutrition</i> , 2004, 50, 1047-1054.	0.8	298
20	Iron and zinc grain density in common wheat grown in Central Asia. <i>Euphytica</i> , 2007, 155, 193-203.	0.6	284
21	Zinc deficiency as a critical problem in wheat production in Central Anatolia. <i>Plant and Soil</i> , 1996, 180, 165-172.	1.8	282
22	Quantitative trait loci conferring grain mineral nutrient concentrations in durum wheat–wild emmer wheat RIL population. <i>Theoretical and Applied Genetics</i> , 2009, 119, 353-369.	1.8	264
23	Zinc deficiency as a practical problem in plant and human nutrition in Turkey: A NATO-science for stability project. <i>Field Crops Research</i> , 1999, 60, 175-188.	2.3	259
24	Biofortification of Durum Wheat with Zinc Through Soil and Foliar Applications of Nitrogen. <i>Cereal Chemistry</i> , 2010, 87, 1-9.	1.1	257
25	Multiple QTL-effects of wheat Gpc-B1 locus on grain protein and micronutrient concentrations. <i>Physiologia Plantarum</i> , 2007, 129, 635-643.	2.6	244
26	High Light Intensity Enhances Chlorosis and Necrosis in Leaves of Zinc, Potassium, and Magnesium Deficient Bean ( <i>Phaseolus vulgaris</i> ) Plants. <i>Journal of Plant Physiology</i> , 1989, 134, 308-315.	1.6	241
27	Activity of ascorbate-dependent H <sub>2</sub> O <sub>2</sub> -scavenging enzymes and leaf chlorosis are enhanced in magnesium- and potassium-deficient leaves, but not in phosphorus-deficient leaves. <i>Journal of Experimental Botany</i> , 1994, 45, 1259-1266.	2.4	229
28	Root-induced changes of nutrient availability in the rhizosphere. <i>Journal of Plant Nutrition</i> , 1987, 10, 1175-1184.	0.9	227
29	Increase in Membrane Permeability and Exudation in Roots of Zinc Deficient Plants. <i>Journal of Plant Physiology</i> , 1988, 132, 356-361.	1.6	226
30	Improved nitrogen nutrition enhances root uptake, root-to-shoot translocation and remobilization of zinc ( <sup>65</sup> Zn) in wheat. <i>New Phytologist</i> , 2011, 189, 438-448.	3.5	221
31	Effect of different zinc application methods on grain yield and zinc concentration in wheat cultivars grown on zinc-deficient calcareous soils. <i>Journal of Plant Nutrition</i> , 1997, 20, 461-471.	0.9	219
32	Peanut/maize intercropping induced changes in rhizosphere and nutrient concentrations in shoots. <i>Plant Physiology and Biochemistry</i> , 2007, 45, 350-356.	2.8	219
33	Biofortification of wheat with zinc through zinc fertilization in seven countries. <i>Plant and Soil</i> , 2012, 361, 119-130.	1.8	216
34	Biofortification of rice grain with zinc through zinc fertilization in different countries. <i>Plant and Soil</i> , 2012, 361, 131-141.	1.8	213
35	Enrichment of fertilizers with zinc: An excellent investment for humanity and crop production in India. <i>Journal of Trace Elements in Medicine and Biology</i> , 2009, 23, 281-289.	1.5	207
36	Effect of Zinc Nutritional Status on Growth, Protein Metabolism and Levels of Indole-3-acetic Acid and other Phytohormones in Bean ( <i>Phaseolus vulgaris</i> L.). <i>Journal of Experimental Botany</i> , 1989, 40, 405-412.	2.4	202

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37	Enhanced Superoxide Radical Production in Roots of Zinc-Deficient Plants. <i>Journal of Experimental Botany</i> , 1988, 39, 1449-1460.	2.4	193
38	Short-term effects of boron, germanium and high light intensity on membrane permeability in boron deficient leaves of sunflower. <i>Physiologia Plantarum</i> , 1995, 95, 11-18.	2.6	186
39	Effect of nitrogen on uptake, remobilization and partitioning of zinc and iron throughout the development of durum wheat. <i>Plant and Soil</i> , 2011, 342, 149-164.	1.8	185
40	Mechanism of phosphorus-induced zinc deficiency in cotton. III. Changes in physiological availability of zinc in plants <i>Is mail</i> . <i>Physiologia Plantarum</i> , 1987, 70, 13-20.	2.6	182
41	Grain zinc, iron and protein concentrations and zinc-efficiency in wild emmer wheat under contrasting irrigation regimes. <i>Plant and Soil</i> , 2008, 306, 57-67.	1.8	181
42	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
43	Title is missing!. <i>Plant and Soil</i> , 1997, 188, 1-10.	1.8	178
44	Variation in phosphorus efficiency among 73 bread and durum wheat genotypes grown in a phosphorus-deficient calcareous soil. <i>Plant and Soil</i> , 2005, 269, 69-80.	1.8	171
45	Glyphosate reduced seed and leaf concentrations of calcium, manganese, magnesium, and iron in non-glyphosate resistant soybean. <i>European Journal of Agronomy</i> , 2009, 31, 114-119.	1.9	168
46	Zinc and Iron Concentrations in Seeds of Wild, Primitive, and Modern Wheats. <i>Food and Nutrition Bulletin</i> , 2000, 21, 401-403.	0.5	162
47	Phytosiderophore release in bread and durum wheat genotypes differing in zinc efficiency. <i>Plant and Soil</i> , 1996, 180, 183-189.	1.8	158
48	Improved nitrogen status enhances zinc and iron concentrations both in the whole grain and the endosperm fraction of wheat. <i>Journal of Cereal Science</i> , 2011, 53, 118-125.	1.8	155
49	Zinc Efficiency Is Correlated with Enhanced Expression and Activity of Zinc-Requiring Enzymes in Wheat. <i>Plant Physiology</i> , 2003, 131, 595-602.	2.3	145
50	Effects of Zinc Deficiency and Drought on Grain Yield of Field-grown Wheat Cultivars in Central Anatolia. <i>Journal of Agronomy and Crop Science</i> , 2007, 193, 198-206.	1.7	143
51	Mechanism of phosphorus-induced zinc deficiency in cotton. I. Zinc deficiency-enhanced uptake rate of phosphorus. <i>Physiologia Plantarum</i> , 1986, 68, 483-490.	2.6	139
52	Morphological and physiological differences in the response of cereals to zinc deficiency. <i>Euphytica</i> , 1998, 100, 349-357.	0.6	138
53	Determination of screening techniques to salinity tolerance in tomatoes and investigation of genotype responses. <i>Plant Science</i> , 2002, 163, 695-703.	1.7	137
54	Antioxidant defense system and cadmium uptake in barley genotypes differing in cadmium tolerance. <i>Journal of Trace Elements in Medicine and Biology</i> , 2006, 20, 181-189.	1.5	137

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55	Zinc biofortification of wheat through fertilizer applications in different locations of China. <i>Field Crops Research</i> , 2012, 125, 1-7.	2.3	137
56	Zinc for better crop production and human health. <i>Plant and Soil</i> , 2017, 411, 1-4.	1.8	133
57	Genetic diversity for grain nutrients in wild emmer wheat: potential for wheat improvement. <i>Annals of Botany</i> , 2010, 105, 1211-1220.	1.4	132
58	Foliar-Applied Glyphosate Substantially Reduced Uptake and Transport of Iron and Manganese in Sunflower ( <i>Helianthus annuus</i> L.) Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 10019-10025.	2.4	131
59	Biofortification of wheat, rice and common bean by applying foliar zinc fertilizer along with pesticides in seven countries. <i>Plant and Soil</i> , 2016, 403, 389-401.	1.8	125
60	Zinc-dependent changes in ESR signals, NADPH oxidase and plasma membrane permeability in cotton roots. <i>Physiologia Plantarum</i> , 1988, 73, 182-186.	2.6	119
61	Short-term Responses of Soybean Roots to Aluminium. <i>Journal of Plant Physiology</i> , 1992, 140, 174-178.	1.6	119
62	Magnesium in crop production, food quality and human health. <i>Plant and Soil</i> , 2013, 368, 1-4.	1.8	118
63	Synergistic and antagonistic interactions between potassium and magnesium in higher plants. <i>Crop Journal</i> , 2021, 9, 249-256.	2.3	116
64	Grain concentrations of protein and mineral nutrients in a large collection of spelt wheat grown under different environments. <i>Journal of Cereal Science</i> , 2010, 52, 342-349.	1.8	112
65	High phosphorus supply reduced zinc concentration of wheat in native soil but not in autoclaved soil or nutrient solution. <i>Plant and Soil</i> , 2015, 393, 147-162.	1.8	112
66	Simultaneous Biofortification of Wheat with Zinc, Iodine, Selenium, and Iron through Foliar Treatment of a Micronutrient Cocktail in Six Countries. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 8096-8106.	2.4	110
67	Involvement of Superoxide Radical in Extracellular Ferric Reduction by Iron-Deficient Bean Roots. <i>Plant Physiology</i> , 1987, 85, 310-314.	2.3	109
68	Effect of zinc fertilization on cadmium toxicity in durum and bread wheat grown in zinc-deficient soil. <i>Environmental Pollution</i> , 2004, 131, 453-459.	3.7	107
69	Genetic variation and environmental stability of grain mineral nutrient concentrations in <i>Triticum dicoccoides</i> under five environments. <i>Euphytica</i> , 2010, 171, 39-52.	0.6	106
70	Adequate magnesium nutrition mitigates adverse effects of heat stress on maize and wheat. <i>Plant and Soil</i> , 2013, 368, 57-72.	1.8	105
71	Effect of seed zinc content on grain yield and zinc concentration of wheat grown in zinc-deficient calcareous soils. <i>Journal of Plant Nutrition</i> , 1998, 21, 2257-2264.	0.9	103
72	PHYTIC ACID AND PHOSPHORUS CONCENTRATIONS IN SEEDS OF WHEAT CULTIVARS GROWN WITH AND WITHOUT ZINC FERTILIZATION*. <i>Journal of Plant Nutrition</i> , 2002, 25, 113-127.	0.9	103

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73	Genotypic variation in the response of pepper to salinity. <i>Scientia Horticulturae</i> , 2006, 110, 260-266.	1.7	103
74	Grain and shoot zinc accumulation in winter wheat affected by nitrogen management. <i>Plant and Soil</i> , 2012, 361, 153-163.	1.8	103
75	Effect of different foliar zinc application at different growth stages on seed zinc concentration and its impact on seedling vigor in rice. <i>Soil Science and Plant Nutrition</i> , 2013, 59, 180-188.	0.8	103
76	Dry matter production and distribution of zinc in bread and durum wheat genotypes differing in zinc efficiency. <i>Plant and Soil</i> , 1996, 180, 173-181.	1.8	102
77	Quantitative trait loci analysis of zinc efficiency and grain zinc concentration in wheat using whole genome average interval mapping. <i>Plant and Soil</i> , 2009, 314, 49-66.	1.8	101
78	Magnesium applications to growth medium and foliage affect the starch distribution, increase the grain size and improve the seed germination in wheat. <i>Plant and Soil</i> , 2016, 406, 145-156.	1.8	100
79	Grain yield, zinc efficiency and zinc concentration of wheat cultivars grown in a zinc-deficient calcareous soil in field and greenhouse. <i>Field Crops Research</i> , 1999, 63, 87-98.	2.3	97
80	Mechanism of phosphorus-induced zinc deficiency in cotton. II. Evidence for impaired shoot control of phosphorus uptake and translocation under zinc deficiency. <i>Physiologia Plantarum</i> , 1986, 68, 491-496.	2.6	96
81	Contributions of root uptake and remobilization to grain zinc accumulation in wheat depending on post-anthesis zinc availability and nitrogen nutrition. <i>Plant and Soil</i> , 2012, 361, 177-187.	1.8	92
82	QTL mapping for grain zinc and iron concentrations and zinc efficiency in a tetraploid and hexaploid wheat mapping populations. <i>Plant and Soil</i> , 2017, 411, 81-99.	1.8	89
83	Iodine biofortification of wheat, rice and maize through fertilizer strategy. <i>Plant and Soil</i> , 2017, 418, 319-335.	1.8	89
84	Glyphosate-induced impairment of plant growth and micronutrient status in glyphosate-resistant soybean ( <i>Glycine max</i> L.). <i>Plant and Soil</i> , 2008, 312, 185-194.	1.8	87
85	Concentration of zinc and activity of copper/zinc-superoxide dismutase in leaves of rye and wheat cultivars differing in sensitivity to zinc deficiency. <i>Journal of Plant Physiology</i> , 1997, 151, 91-95.	1.6	83
86	Zinc-efficient wild grasses enhance release of phytosiderophores under zinc deficiency. <i>Journal of Plant Nutrition</i> , 1996, 19, 551-563.	0.9	82
87	Uptake and retranslocation of leaf-applied cadmium ( <sup>109</sup> Cd) in diploid, tetraploid and hexaploid wheats. <i>Journal of Experimental Botany</i> , 2000, 51, 221-226.	2.4	82
88	Differential effects of varied potassium and magnesium nutrition on production and partitioning of photoassimilates in potato plants. <i>Physiologia Plantarum</i> , 2019, 166, 921-935.	2.6	82
89	Effect of zinc nutritional status on activities of superoxide radical and hydrogen peroxide scavenging enzymes in bean leaves. <i>Plant and Soil</i> , 1993, 155-156, 127-130.	1.8	78
90	Harvesting more grain zinc of wheat for human health. <i>Scientific Reports</i> , 2017, 7, 7016.	1.6	78

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91	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
92	Title is missing!. <i>Plant and Soil</i> , 2002, 241, 251-257.	1.8	72
93	Beneficial Elements. , 2012, , 249-269.		70
94	Zinc (Zn) concentration of bread wheat grown under Mediterranean conditions as affected by genotype and soil/foliar Zn application. <i>Plant and Soil</i> , 2016, 401, 331-346.	1.8	70
95	Effects of zinc fertilization and irrigation on grain yield and zinc concentration of various cereals grown in zinc-deficient calcareous soils. <i>Journal of Plant Nutrition</i> , 1998, 21, 2245-2256.	0.9	66
96	Effects of agricultural production systems and their components on protein profiles of potato tubers. <i>Proteomics</i> , 2007, 7, 597-604.	1.3	66
97	Decrease in nitrate uptake and increase in proton release in zinc deficient cotton, sunflower and buckwheat plants. <i>Plant and Soil</i> , 1990, 129, 261-268.	1.8	64
98	Plant nutrition research: Priorities to meet human needs for food in sustainable ways. , 2001, , 4-7.		63
99	Glyphosate in the rhizosphere-Role of waiting times and different glyphosate binding forms in soils for phytotoxicity to non-target plants. <i>European Journal of Agronomy</i> , 2009, 31, 126-132.	1.9	63
100	The effect of organic and conventional management on the yield and quality of wheat grown in a long-term field trial. <i>European Journal of Agronomy</i> , 2013, 51, 71-80.	1.9	63
101	Simultaneous Biofortification of Rice With Zinc, Iodine, Iron and Selenium Through Foliar Treatment of a Micronutrient Cocktail in Five Countries. <i>Frontiers in Plant Science</i> , 2020, 11, 589835.	1.7	63
102	Zinc deficiency enhanced NAD(P)H-dependent superoxideradical production in plasma membrane vesicles isolated from roots of bean plants. <i>Journal of Experimental Botany</i> , 1994, 45, 45-50.	2.4	62
103	Genotypic variation in phosphorus efficiency between wheat cultivars grown under greenhouse and field conditions. <i>Soil Science and Plant Nutrition</i> , 2006, 52, 470-478.	0.8	61
104	Title is missing!. <i>Plant and Soil</i> , 2000, 219, 279-284.	1.8	60
105	Effect of Organic and Conventional Crop Rotation, Fertilization, and Crop Protection Practices on Metal Contents in Wheat ( <i>Triticum aestivum</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 4715-4724.	2.4	60
106	Genotypic variation in common bean in response to zinc deficiency in calcareous soil. <i>Plant and Soil</i> , 2004, 259, 71-83.	1.8	59
107	Metabolite and mineral analyses of cotton near-isogenic lines introgressed with QTLs for productivity and drought-related traits. <i>Physiologia Plantarum</i> , 2011, 141, 265-275.	2.6	59
108	Effect of withdrawal of phosphorus on nitrate assimilation and PEP carboxylase activity in tomato. <i>Plant and Soil</i> , 1993, 154, 111-117.	1.8	57

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109	Phytosiderophore release does not relate well with zinc efficiency in different bread wheat genotypes. <i>Journal of Plant Nutrition</i> , 1996, 19, 1569-1580.	0.9	57
110	EFFECTS OF ZINC FERTILIZATION ON GRAIN YIELD AND SHOOT CONCENTRATIONS OF ZINC, BORON, AND PHOSPHORUS OF 25 WHEAT CULTIVARS GROWN ON A ZINC-DEFICIENT AND BORON-TOXIC SOIL. <i>Journal of Plant Nutrition</i> , 2001, 24, 1817-1829.	0.9	57
111	Growth enhancement by silicon in cucumber ( <i>Cucumis sativus</i> ) plants depends on imbalance in phosphorus and zinc supply. <i>Plant and Soil</i> , 1990, 124, 211-219.	1.8	56
112	Shoot biomass and zinc/cadmium uptake for hyperaccumulator and non-accumulator <i>Thlaspi</i> species in response to growth on a zinc-deficient calcareous soil. <i>Plant Science</i> , 2003, 164, 1095-1101.	1.7	56
113	Soil fertility management effects on maize productivity and grain zinc content in smallholder farming systems of Zimbabwe. <i>Plant and Soil</i> , 2012, 361, 57-69.	1.8	55
114	<i>Triticum durum</i> Metallothionein. <i>Journal of Biological Chemistry</i> , 2005, 280, 13701-13711.	1.6	54
115	Magnesium deficiency decreases biomass water-use efficiency and increases leaf water-use efficiency and oxidative stress in barley plants. <i>Plant and Soil</i> , 2016, 406, 409-423.	1.8	54
116	Zinc priming promotes seed germination and seedling vigor of rice. <i>Journal of Plant Nutrition and Soil Science</i> , 2012, 175, 482-488.	1.1	52
117	Expression and Cellular Localization of ZIP1 Transporter Under Zinc Deficiency in Wild Emmer Wheat. <i>Plant Molecular Biology Reporter</i> , 2011, 29, 582-596.	1.0	50
118	X-ray fluorescence microscopy of zinc localization in wheat grains biofortified through foliar zinc applications at different growth stages under field conditions. <i>Plant and Soil</i> , 2015, 392, 357-370.	1.8	50
119	Differences in Zinc Efficiency among and within Diploid, Tetraploid and Hexaploid Wheats. <i>Annals of Botany</i> , 1999, 84, 163-171.	1.4	48
120	Association of High Light and Zinc Deficiency in Cold-induced Leaf Chlorosis in Grapefruit and Mandarin Trees. <i>Journal of Plant Physiology</i> , 1995, 146, 355-360.	1.6	47
121	Phytosiderophore release in <i>Aegilops tauschii</i> and <i>Triticum</i> species under zinc and iron deficiencies. <i>Journal of Experimental Botany</i> , 2001, 52, 1093-1099.	2.4	46
122	Zinc fortification of whole rice grain through parboiling process. <i>Food Chemistry</i> , 2010, 120, 858-863.	4.2	46
123	Effect of nitrogen on root release of phytosiderophores and root uptake of Fe(III)-phytosiderophore in Fe-deficient wheat plants. <i>Physiologia Plantarum</i> , 2011, 142, 287-296.	2.6	46
124	Glyphosate inhibition of ferric reductase activity in iron deficient sunflower roots. <i>New Phytologist</i> , 2008, 177, 899-906.	3.5	45
125	Zinc for the improvement of crop production and human health. <i>Plant and Soil</i> , 2012, 361, 1-2.	1.8	45
126	Effect of Aluminium on net Efflux of Nitrate and Potassium from Root Tips of Soybean ( <i>Glycine max</i> L.). <i>Journal of Plant Physiology</i> , 1991, 138, 400-403.	1.6	43



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127	Potassium for better crop production and quality. <i>Plant and Soil</i> , 2010, 335, 1-2.	1.8	43
128	Plant nutrition and soil fertility: synergies for acquiring global green growth and sustainable development. <i>Plant and Soil</i> , 2019, 434, 1-6.	1.8	43
129	Shoot zinc (Zn) concentration varies widely within <i>Brassica oleracea</i> L. and is affected by soil Zn and phosphorus (P) levels. <i>Journal of Horticultural Science and Biotechnology</i> , 2010, 85, 375-380.	0.9	42
130	Studies on differential response of wheat cultivars to boron toxicity. <i>Euphytica</i> , 1998, 100, 123-129.	0.6	41
131	Title is missing!. <i>Plant and Soil</i> , 1999, 215, 203-209.	1.8	41
132	Phytosiderophore release by wheat genotypes differing in zinc deficiency tolerance grown with Zn-free nutrient solution as affected by salinity. <i>Journal of Plant Physiology</i> , 2013, 170, 41-46.	1.6	41
133	Effect of Zinc Humate on Growth of Soybean and Wheat in Zinc-Deficient Calcareous Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 2769-2778.	0.6	40
134	Natural Variation And Identification Of Microelements Content In Seeds Of Einkorn Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.2	40
135	Root Uptake of Lipophilic Zinc-Rhamnolipid Complexes. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 2112-2117.	2.4	40
136	Role of rye chromosomes in improvement of zinc efficiency in wheat and triticale. <i>Plant and Soil</i> , 1997, 196, 249-253.	1.8	39
137	Multi-elemental speciation analysis of barley genotypes differing in tolerance to cadmium toxicity using SEC-ICP-MS and ESI-TOF-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 996.	1.6	38
138	Historical changes in grain yield and quality of spring wheat varieties cultivated in Siberia from 1900 to 2010. <i>Canadian Journal of Plant Science</i> , 2013, 93, 425-433.	0.3	38
139	Nickel-enriched seed and externally supplied nickel improve growth and alleviate foliar urea damage in soybean. <i>Plant and Soil</i> , 2013, 363, 61-75.	1.8	38
140	Uptake of zinc by rye, bread wheat and durum wheat cultivars differing in zinc efficiency. <i>Plant and Soil</i> , 1999, 209, 245-252.	1.8	37
141	Leaf-applied sodium chloride promotes cadmium accumulation in durum wheat grain. <i>Plant and Soil</i> , 2007, 290, 323-331.	1.8	37
142	Zinc Deficiency in Wheat in Turkey. , 2008, , 181-200.		37
143	Light-mediated release of phytosiderophores in wheat and barley under iron or zinc deficiency. <i>Plant and Soil</i> , 1998, 202, 309-315.	1.8	36
144	The influence of organic and conventional fertilisation and crop protection practices, preceding crop, harvest year and weather conditions on yield and quality of potato ( <i>Solanum tuberosum</i> ) in a long-term management trial. <i>European Journal of Agronomy</i> , 2013, 49, 83-92.	1.9	36

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145	The effect of agronomic factors on crop health and performance of winter wheat varieties bred for the conventional and the low input farming sector. <i>Field Crops Research</i> , 2020, 254, 107822.	2.3	36
146	Micronutrient homeostasis in plants for more sustainable agriculture and healthier human nutrition. <i>Journal of Experimental Botany</i> , 2022, 73, 1789-1799.	2.4	35
147	TOLERANCE OF 65 DURUM WHEAT GENOTYPES TO ZINC DEFICIENCY IN A CALCAREOUS SOIL. <i>Journal of Plant Nutrition</i> , 2001, 24, 1831-1847.	0.9	34
148	Effect of Zinc Deficiency on Proton Fluxes in Plasma Membrane-Enriched Vesicles Isolated from Bean Roots. <i>Journal of Experimental Botany</i> , 1993, 44, 623-630.	2.4	33
149	Agronomic fortification of rice and wheat grains with zinc for nutritional security. <i>Current Science</i> , 2015, 109, 1171.	0.4	33
150	Quantitative trait loci associated with soybean seed weight and composition under different phosphorus levels. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 232-241.	4.1	32
151	Effects of Agronomic Management and Climate on Leaf Phenolic Profiles, Disease Severity, and Grain Yield in Organic and Conventional Wheat Production Systems. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10369-10379.	2.4	32
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