Hongbo Li

List of Publications by Citations

181	4,995	40	64
papers	citations	h-index	g-index
191	6,474	5.1	6.12
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
181	Crops and genotypes differ in efficiency of potassium uptake and use. *Physiologia Plantarum*, **2008**, 133, 624-36	4.6	277
180	Biochar application for the remediation of salt-affected soils: Challenges and opportunities. *Science of the Total Environment*, **2018**, 625, 320-335	10.2	207
179	Modelling root–soil interactions using three-dimensional models of root growth, architecture and function. *Plant and Soil*, **2013**, 372, 93-124	4.2	191
178	Isolation of culturable phosphobacteria with both phytate-mineralization and phosphate-solubilization activity from the rhizosphere of plants grown in a volcanic soil. *Biology and Fertility of Soils*, **2008**, 44, 1025-1034	6.1	165
177	Phytomelatonin receptor PMTR1-mediated signaling regulates stomatal closure in Arabidopsis thaliana. *Journal of Pineal Research*, **2018**, 65, e12500	10.4	143
176	Acquiring control: The evolution of ROS-Induced oxidative stress and redox signaling pathways in plant stress responses. *Plant Physiology and Biochemistry*, **2019**, 141, 353-369	5.4	129
175	Complementarity in nutrient foraging strategies of absorptive fine roots and arbuscular mycorrhizal fungi across 14 coexisting subtropical tree species. *New Phytologist*, **2015**, 208, 125-36	9.8	121
174	One-step synthesis of Pt–NiO nanoplate array/reduced graphene oxide nanocomposites for nonenzymatic glucose sensing. *Journal of Materials Chemistry A*, **2015**, 3, 608-616	13	109
173	Tradeoffs among root morphology, exudation and mycorrhizal symbioses for phosphorus-acquisition strategies of 16 crop species. *New Phytologist*, **2019**, 223, 882-895	9.8	105
172	Major Crop Species Show Differential Balance between Root Morphological and Physiological Responses to Variable Phosphorus Supply. *Frontiers in Plant Science*, **2016**, 7, 1939	6.2	96
171	Increased soil phosphorus availability induced by faba bean root exudation stimulates root growth and phosphorus uptake in neighbouring maize. *New Phytologist*, **2016**, 209, 823-31	9.8	96
170	Differential tolerance to Mn toxicity in perennial ryegrass genotypes: involvement of antioxidative enzymes and root exudation of carboxylates. *Plant and Soil*, **2009**, 320, 79-89	4.2	93
169	Phosphorus uptake and rhizosphere properties of intercropped and monocropped maize, faba bean, and white lupin in acidic soil. *Biology and Fertility of Soils*, **2010**, 46, 79-91	6.1	93
168	Biofortification and estimated human bioavailability of zinc in wheat grains as influenced by methods of zinc application. *Plant and Soil*, **2012**, 361, 279-290	4.2	86
167	Wheat, canola and grain legume access to soil phosphorus fractions differs in soils with contrasting phosphorus dynamics. *Plant and Soil*, **2010**, 326, 159-170	4.2	79
166	Differential accumulation patterns of phosphorus and potassium by canola cultivars compared to wheat. *Journal of Plant Nutrition and Soil Science*, **2007**, 170, 404-411	2.3	79
165	Cadmium stress increases antioxidant enzyme activities and decreases endogenous hormone concentrations more in Cd-tolerant than Cd-sensitive wheat varieties. *Ecotoxicology and Environmental Safety*, **2019**, 172, 380-387	7	74

164	Grain production versus resource and environmental costs: towards increasing sustainability of nutrient use in China. *Journal of Experimental Botany*, **2016**, 67, 4935-49	7	74
163	Root morphological responses to localized nutrient supply differ among crop species with contrasting root traits. *Plant and Soil*, **2014**, 376, 151-163	4.2	71
162	Arsenic Speciation Governs Arsenic Uptake and Transport in Terrestrial Plants. *Mikrochimica Acta*, **2005**, 151, 141-152	5.8	71
161	Ratiometric fluorescent detection of biomakers for biological warfare agents with carbon dots chelated europium-based nanoscale coordination polymers. *Sensors and Actuators B: Chemical*, **2015**, 221, 586-592	8.5	62
160	Endophytic bacteria from selenium-supplemented wheat plants could be useful for plant-growth promotion, biofortification and Gaeumannomyces graminis biocontrol in wheat production. *Biology and Fertility of Soils*, **2014**, 50, 983-990	6.1	62
159	Arsenic speciation in terrestrial plant material using microwave-assisted extraction, ion chromatography and inductively coupled plasma mass spectrometry. *Journal of Analytical Atomic Spectrometry*, **2003**, 18, 128-134	3.7	62
158	Diverse belowground resource strategies underlie plant species coexistence and spatial distribution in three grasslands along a precipitation gradient. *New Phytologist*, **2017**, 216, 1140-1150	9.8	61
157	Salinity altered root distribution and increased diversity of bacterial communities in the rhizosphere soil of Jerusalem artichoke. *Scientific Reports*, **2016**, 6, 20687	4.9	60
156	Localized application of NH4 +-N plus P at the seedling and later growth stages enhances nutrient uptake and maize yield by inducing lateral root proliferation. *Plant and Soil*, **2013**, 372, 65-80	4.2	57
155	Opportunities and challenges in the use of mineral nutrition for minimizing arsenic toxicity and accumulation in rice: A critical review. *Chemosphere*, **2018**, 194, 171-188	8.4	57
154	Beneficial Elements **2012**, 249-269		56
153	Biogeochemistry of soil organic matter in agroecosystems & environmental implications. *Science of the Total Environment*, **2019**, 658, 1559-1573	10.2	56
152	Zinc fertilisation increases grain zinc and reduces grain lead and cadmium concentrations more in zinc-biofortified than standard wheat cultivar. *Science of the Total Environment*, **2017**, 605-606, 454-460	10.2	55
151	Manganese Supply and pH Influence Growth, Carboxylate Exudation and Peroxidase Activity of Ryegrass and White Clover. *Journal of Plant Nutrition*, **2007**, 30, 253-270	2.3	55
150	Development of a novel semi-hydroponic phenotyping system for studying root architecture. *Functional Plant Biology*, **2011**, 38, 355-363	2.7	54
149	Growth, phosphorus uptake, and rhizosphere microbial-community composition of a phosphorus-efficient wheat cultivar in soils differing in pH. *Journal of Plant Nutrition and Soil Science*, **2005**, 168, 343-351	2.3	54
148	Maize responds to low shoot P concentration by altering root morphology rather than increasing root exudation. *Plant and Soil*, **2017**, 416, 377-389	4.2	53
147	Metallic nanoparticles influence the structure and function of the photosynthetic apparatus in plants. *Plant Physiology and Biochemistry*, **2018**, 130, 408-417	5.4	51

146	The Role of the Plasma Membrane H-ATPase in Plant Responses to Aluminum Toxicity. *Frontiers in Plant Science*, **2017**, 8, 1757	6.2	50
145	Melatonin alleviates aluminium toxicity through modulating antioxidative enzymes and enhancing organic acid anion exudation in soybean. *Functional Plant Biology*, **2017**, 44, 961-968	2.7	48
144	Nutrient Removal from Simulated Wastewater Using Canna indica and Schoenoplectus validus in Mono- and Mixed-Culture in Wetland Microcosms. *Water, Air, and Soil Pollution*, **2007**, 183, 95-105	2.6	45
143	Phenotypic variability and modelling of root structure of wild Lupinus angustifolius genotypes. *Plant and Soil*, **2011**, 348, 345-364	4.2	44
142	Aluminum, manganese, and iron tolerance improves performance of wheat genotypes in waterlogged acidic soils. *Journal of Plant Nutrition and Soil Science*, **2010**, 173, 461-468	2.3	42
141	Growth, P uptake and rhizosphere properties of wheat and canola genotypes in an alkaline soil with low P availability. *Biology and Fertility of Soils*, **2007**, 44, 143-153	6.1	39
140	Humic acids decrease uptake and distribution of trace metals, but not the growth of radish exposed to cadmium toxicity. *Ecotoxicology and Environmental Safety*, **2018**, 151, 55-61	7	37
139	Assessing variability in root traits of wild Lupinus angustifolius germplasm: basis for modelling root system structure. *Plant and Soil*, **2012**, 354, 141-155	4.2	37
138	Plastic Mulch Stimulates Nitrogen Mineralization in Urea-Amended Soils in a Semiarid Environment. *Agronomy Journal*, **2015**, 107, 921-930	2.2	34
137	Auxin enhances aluminium-induced citrate exudation through upregulation of GmMATE and activation of the plasma membrane H+-ATPase in soybean roots. *Annals of Botany*, **2016**, 118, 933-940	4.1	33
136	Manganese availability and microbial populations in the rhizosphere of wheat genotypes differing in tolerance to Mn deficiency. *Journal of Plant Nutrition and Soil Science*, **2003**, 166, 712-718	2.3	32
135	The mechanisms of improving coastal saline soils by planting rice. *Science of the Total Environment*, **2020**, 703, 135529	10.2	32
134	Daily rhythms of phytomelatonin signaling modulate diurnal stomatal closure via regulating reactive oxygen species dynamics in Arabidopsis. *Journal of Pineal Research*, **2020**, 68, e12640	10.4	31
133	Neighbouring plants modify maize root foraging for phosphorus: coupling nutrients and neighbours for improved nutrient-use efficiency. *New Phytologist*, **2020**, 226, 244-253	9.8	31
132	Phytoremediation of Nitrogen-Polluted Water Using Water Hyacinth. *Journal of Plant Nutrition*, **2007**, 30, 1753-1765	2.3	30
131	Accumulation and distribution of arsenic and cadmium in winter wheat (Triticum aestivum L.) at different developmental stages. *Science of the Total Environment*, **2019**, 667, 532-539	10.2	28
130	Variation of tolerance to manganese toxicity in Australian hexaploid wheat. *Journal of Plant Nutrition and Soil Science*, **2010**, 173, 103-112	2.3	28
129	Vegetation succession influences soil carbon sequestration in coastal alkali-saline soils in southeast China. *Scientific Reports*, **2018**, 8, 9728	4.9	28

128	Zinc in Soils and Crop Nutrition **2011**, 335-375		27
127	Formation of cluster roots and citrate exudation by Lupinus albus in response to localized application of different phosphorus sources. *Plant Science*, **2007**, 172, 1017-1024	5.3	27
126	Environmental salinization processes: Detection, implications & solutions. *Science of the Total Environment*, **2021**, 754, 142432	10.2	27
125	Heterogeneous distribution of phosphorus and potassium in soil influences wheat growth and nutrient uptake. *Plant and Soil*, **2007**, 291, 301-309	4.2	26
124	Soil plant-available phosphorus levels and maize genotypes determine the phosphorus acquisition efficiency and contribution of mycorrhizal pathway. *Plant and Soil*, **2020**, 449, 357-371	4.2	25
123	Nitrate reductase-mediated NO production enhances Cd accumulation in Panax notoginseng roots by affecting root cell wall properties. *Journal of Plant Physiology*, **2016**, 193, 64-70	3.6	25
122	Decomposition of maize straw in saline soil. *Biology and Fertility of Soils*, **2006**, 42, 366-370	6.1	24
121	Growth Medium and Phosphorus Supply Affect Cluster Root Formation and Citrate Exudation by Lupinus albus Grown in a Sand/Solution Split-Root System. *Plant and Soil*, **2005**, 276, 85-94	4.2	24
120	Competition between Zea mays genotypes with different root morphological and physiological traits is dependent on phosphorus forms and supply patterns. *Plant and Soil*, **2019**, 434, 125-137	4.2	24
119	Crop species differ in root plasticity response to localised P supply. *Journal of Plant Nutrition and Soil Science*, **2009**, 172, 360-368	2.3	23
118	Balance between salt stress and endogenous hormones influence dry matter accumulation in Jerusalem artichoke. *Science of the Total Environment*, **2016**, 568, 891-898	10.2	23
117	HISTOCHEMICAL VISUALIZATION OF PHOSPHATASE RELEASED BY ARBUSCULAR MYCORRHIZAL FUNGI IN SOIL. *Journal of Plant Nutrition*, **2002**, 25, 1-1	2.3	22
116	Palindromic molecular beacon-based intramolecular strand-displacement amplification strategy for ultrasensitive detection of K-ras gene. *Analytica Chimica Acta*, **2019**, 1065, 98-106	6.6	21
115	Molecular marker linked to a chromosome region regulating seed Zn accumulation in barley. *Molecular Breeding*, **2010**, 25, 167-177	3.4	21
114	The Genetic Control of Grain Protein Content under Variable Nitrogen Supply in an Australian Wheat Mapping Population. *PLoS ONE*, **2016**, 11, e0159371	3.7	21
113	Mapping QTL associated with remobilization of zinc from vegetative tissues into grains of barley (Hordeum vulgare). *Plant and Soil*, **2016**, 399, 193-208	4.2	20
112	Manganese toxicity and UV-B radiation differentially influence the physiology and biochemistry of highbush blueberry (Vaccinium corymbosum) cultivars. *Functional Plant Biology*, **2014**, 41, 156-167	2.7	20
111	Phosphorus acquisition and wheat growth are influenced by shoot phosphorus status and soil phosphorus distribution in a split-root system. *Journal of Plant Nutrition and Soil Science*, **2008**, 171, 266-271	2.3	20

110	Growth and resource allocation of Canna indica and Schoenoplectus validus as affected by interspecific competition and nutrient availability. *Hydrobiologia*, **2007**, 589, 235-248	2.4	20
109	Microbiome structure and function in rhizosphere of Jerusalem artichoke grown in saline land. *Science of the Total Environment*, **2020**, 724, 138259	10.2	19
108	ROOT EXUDATION AND ZINC UPTAKE BY BARLEY GENOTYPES DIFFERING IN ZN EFFICIENCY. *Journal of Plant Nutrition*, **2011**, 34, 1120-1132	2.3	19
107	Quantitative Trait Loci (QTL) of Seed Zn Accumulation in Barley Population Clipper X Sahara. *Journal of Plant Nutrition*, **2015**, 38, 1672-1684	2.3	18
106	Physiological and biochemical responses to manganese toxicity in ryegrass (Lolium perenne L.) genotypes. *Plant Physiology and Biochemistry*, **2017**, 113, 89-97	5.4	17
105	The endogenous plant hormones and ratios regulate sugar and dry matter accumulation in Jerusalem artichoke in salt-soil. *Science of the Total Environment*, **2017**, 578, 40-46	10.2	17
104	Root Morphology, Proton Release, and Carboxylate Exudation in Lupin in Response to Phosphorus Deficiency. *Journal of Plant Nutrition*, **2008**, 31, 557-570	2.3	17
103	Low arsenate influx rate and high phosphorus concentration in wheat (Triticum aestivum L.): A mechanism for arsenate tolerance in wheat plants. *Chemosphere*, **2019**, 214, 94-102	8.4	17
102	Genetic Basis for Variation in Wheat Grain Yield in Response to Varying Nitrogen Application. *PLoS ONE*, **2016**, 11, e0159374	3.7	16
101	Zinc-biofortified wheat accumulates more cadmium in grains than standard wheat when grown on cadmium-contaminated soil regardless of soil and foliar zinc application. *Science of the Total Environment*, **2019**, 654, 402-408	10.2	16
100	Biomass bottom ash & dolomite similarly ameliorate an acidic low-nutrient soil, improve phytonutrition and growth, but increase Cd accumulation in radish. *Science of the Total Environment* , **2021**, 753, 141902	10.2	16
99	Aluminum stress differentially affects physiological performance and metabolic compounds in cultivars of highbush blueberry. *Scientific Reports*, **2019**, 9, 11275	4.9	15
98	Cluster Root Formation by Lupinus Albus is Modified by Stratified Application of Phosphorus in a Split-Root System. *Journal of Plant Nutrition*, **2007**, 30, 271-288	2.3	15
97	Phosphate and arsenate interactions in the rhizosphere of canola (Brassica napus). *Functional Plant Biology*, **2004**, 31, 1085-1094	2.7	15
96	UPTAKE OF NITROGEN FROM INDIGENOUS SOIL POOL BY COTTON PLANT INOCULATED WITH ARBUSCULAR MYCORRHIZAL FUNGI. *Communications in Soil Science and Plant Analysis*, **2002**, 33, 3825-3836	1.5	15
95	Pepino (Solanum muricatum) planting increased diversity and abundance of bacterial communities in karst area. *Scientific Reports*, **2016**, 6, 21938	4.9	15
94	Ultra-sensitive label-free electrochemical detection of the acute leukaemia gene Pax-5a based on enzyme-assisted cycle amplification. *Biosensors and Bioelectronics*, **2019**, 143, 111593	11.8	14
93	Root over-production in heterogeneous nutrient environment has no negative effects on Zea mays shoot growth in the field. *Plant and Soil*, **2016**, 409, 405-417	4.2	14

92	Zinc and Cadmium Mapping in the Apical Shoot and Hypocotyl Tissues of Radish by High-Resolution Secondary Ion Mass Spectrometry (NanoSIMS) after Short-Term Exposure to Metal Contamination. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	13
91	Boron inhibits cadmium uptake in wheat (Triticum aestivum) by regulating gene expression. *Plant Science*, **2020**, 297, 110522	5.3	13
90	Phosphorus nutrition alleviates manganese toxicity in Lolium perenne and Trifolium repens. *Journal of Plant Nutrition and Soil Science*, **2011**, 174, 210-219	2.3	13
89	Zinc status and its requirement by rural adults consuming wheat from control or zinc-treated fields. *Environmental Geochemistry and Health*, **2020**, 42, 1877-1892	4.7	13
88	Root trait diversity, molecular marker diversity, and trait-marker associations in a core collection of Lupinus angustifolius. *Journal of Experimental Botany*, **2016**, 67, 3683-97	7	13
87	Zinc and cadmium mapping by NanoSIMS within the root apex after short-term exposure to metal contamination. *Ecotoxicology and Environmental Safety*, **2019**, 171, 571-578	7	13
86	Interactions of humates and chlorides with cadmium drive soil cadmium chemistry and uptake by radish cultivars. *Science of the Total Environment*, **2020**, 702, 134887	10.2	12
85	Light intensity influence maize adaptation to low P stress by altering root morphology. *Plant and Soil*, **2020**, 447, 183-197	4.2	12
84	Magnesium promotes root growth and increases aluminum tolerance via modulation of nitric oxide production in Arabidopsis. *Plant and Soil*, **2020**, 457, 83-95	4.2	12
83	Inhibited effect of biochar application on NO emissions is amount and time-dependent by regulating denitrification in a wheat-maize rotation system in North China. *Science of the Total Environment*, **2020**, 721, 137636	10.2	11
82	Fluorometric determination of the p53 cancer gene using strand displacement amplification on gold nanoparticles. *Mikrochimica Acta*, **2019**, 186, 517	5.8	11
81	Root competition resulting from spatial variation in nutrient distribution elicits decreasing maize yield at high planting density. *Plant and Soil*, **2019**, 439, 219-232	4.2	11
80	The use of of inulin, maltitol and lecithin as fat replacers and plasticizers in a model reduced-fat mozzarella cheese-like product. *Journal of the Science of Food and Agriculture*, **2019**, 99, 5586-5593	4.3	10
79	A novel conductance glucose biosensor in ultra-low ionic strength solution triggered by the oxidation of Ag nanoparticles. *Analytica Chimica Acta*, **2015**, 891, 144-50	6.6	10
78	Reverse strand-displacement amplification strategy for rapid detection of p53 gene. *Talanta*, **2018**, 187, 365-369	6.2	10
77	Long-term biochar application promotes rice productivity by regulating root dynamic development and reducing nitrogen leaching. *GCB Bioenergy*, **2021**, 13, 257-268	5.6	10
76	Melatonin functions in priming of stomatal immunity in Panax notoginseng and Arabidopsis thaliana. *Plant Physiology*, **2021**, 187, 2837-2851	6.6	10
75	Nutrient Management in Organic Farming and Consequences for Direct and Indirect Selection Strategies **2011**, 15-38		9

74	Comparison of backslopping and two-stage fermentation methods for koumiss powder production based on chemical composition and nutritional properties. *Journal of the Science of Food and Agriculture*, **2020**, 100, 1822-1826	4.3	9
73	Efficient root systems for enhancing tolerance of crops to water and phosphorus limitation. *Indian Journal of Plant Physiology*, **2018**, 23, 689-696		9
72	Magnesium reduces cadmium accumulation by decreasing the nitrate reductase-mediated nitric oxide production in Panax notoginseng roots. *Journal of Plant Physiology*, **2020**, 248, 153131	3.6	8
71	The niche complementarity driven by rhizosphere interactions enhances phosphorus-use efficiency in maize/alfalfa mixture. *Food and Energy Security*, **2020**, 9, e252	4.1	8
70	Dynamics of copper and tetracyclines during composting of water hyacinth biomass amended with peat or pig manure. *Environmental Science and Pollution Research*, **2017**, 24, 23584-23597	5.1	7
69	Differential Zinc Efficiency of Barley Genotypes Grown in Soil and Chelator-Buffered Nutrient Solution. *Journal of Plant Nutrition*, **2009**, 32, 1744-1767	2.3	7
68	Dynamics of Sodium in Saline and Sodic Soils. *Communications in Soil Science and Plant Analysis*, **2007**, 38, 2077-2090	1.5	7
67	Molecular regulation of aluminum resistance and sulfur nutrition during root growth. *Planta*, **2018**, 247, 27-39	4.7	7
66	Growth and nutrient uptake of temperate perennial pastures are influenced by grass species and fertilisation with a microbial consortium inoculant. *Journal of Plant Nutrition and Soil Science*, **2020**, 183, 530-538	2.3	6
65	Sowing Methods Influence Soil Bacterial Diversity and Community Composition in a Winter Wheat-Summer Maize Rotation System on the Loess Plateau. *Frontiers in Microbiology*, **2020**, 11, 192	5.7	6
64	Effects of nitrogen combined with zinc application on glutamate, glutamine, aspartate and asparagine accumulation in two winter wheat cultivars. *Plant Physiology and Biochemistry*, **2018**, 127, 485-495	5.4	6
63	The Interplay Between Roots and Arbuscular Mycorrhizal Fungi Influencing Water and Nutrient Acquisition and Use Efficiency **2021**, 193-220		6
62	One-step enzyme-free detection of the miRNA let-7a via twin-stage signal amplification. *Talanta*, **2021**, 230, 122158	6.2	6
61	Roots and arbuscular mycorrhizal fungi are independent in nutrient foraging across subtropical tree species. *Plant and Soil*, **2019**, 442, 97-112	4.2	5
60	Magnesium decreases aluminum accumulation and plays a role in protecting maize from aluminum-induced oxidative stress. *Plant and Soil*, **2020**, 457, 71-81	4.2	5
59	Mycorrhizal impacts on root trait plasticity of six maize varieties along a phosphorus supply gradient. *Plant and Soil*, **2020**, 448, 71-86	4.2	5
58	Differential nitrogen-use efficiency in wheat parents of doubled-haploid mapping populations. *Plant and Soil*, **2016**, 408, 311-325	4.2	5
57	Growth, Rhizosphere Carboxylate Exudation, and Arbuscular Mycorrhizal Colonisation in Temperate Perennial Pasture Grasses Varied with Phosphorus Application. *Agronomy*, **2020**, 10, 2017	3.6	5

56	Higher soil acidification risk in southeastern Tibetan Plateau. *Science of the Total Environment*, **2021**, 755, 143372	10.2	5
55	Foliar application of magnesium mitigates soil acidity stress in wheat. *Journal of Agronomy and Crop Science*, **2021**, 207, 378-389	3.9	5
54	The effect of processing on Pisum sativum L. biofortified with sodium selenate. *Journal of Plant Nutrition and Soil Science*, **2018**, 181, 932-937	2.3	5
53	Zinc bioavailability and nitrogen concentration in grains of wheat crop sprayed with zinc sulfate, ammonium sulfate, ammonium chloride, and urea. *Journal of Plant Nutrition*, **2018**, 41, 1926-1936	2.3	5
52	Soil phosphorus availability determines the preference for direct or mycorrhizal phosphorus uptake pathway in maize. *Geoderma*, **2021**, 403, 115261	6.7	5
51	Nutrient deficiencies in olives grown on typical Mediterranean soils (Terra rossa, Rendzina, Lithosol). *Archives of Agronomy and Soil Science*, **2018**, 64, 1777-1790	2	4
50	Effects of planting Melia azedarach L. on soil properties and microbial community in saline-alkali soil. *Land Degradation and Development*, **2021**, 32, 2951-2961	4.4	4
49	Phenotyping and Validation of Root Morphological Traits in Barley (Hordeum vulgare L.). *Agronomy*, **2021**, 11, 1583	3.6	4
48	Occurrence and Geochemical Significance of Phenylnaphthalenes and Terphenyls in Oils and Condensates from the Yakela Faulted Uplift, Tarim Basin, Northwest China. *Energy & Fuels*, **2016**, 30, 4457-4466	4.1	3
47	Increased planting density of Chinese milk vetch () weakens phosphorus uptake advantage by rapeseed () in a mixed cropping system. *AoB PLANTS*, **2019**, 11, plz033	2.9	3
46	Early priority effects of occupying a nutrient patch do not influence final maize growth in intensive cropping systems. *Plant and Soil*, **2019**, 442, 285-298	4.2	3
45	Phytomelatonin prevents bacterial invasion during nighttime.. *Trends in Plant Science*, **2022**,	13.1	3
44	Foliar zinc biofortification effects in Lolium rigidum and Trifolium subterraneum grown in cadmium-contaminated soil. *PLoS ONE*, **2017**, 12, e0185395	3.7	3
43	Changes in soil-plant P under heterogeneous P supply influence C allocation between the shoot and roots. *Functional Plant Biology*, **2009**, 36, 826-831	2.7	3
42	Plant Roots for Sustainable Soil Structure Management in Cropping Systems **2021**, 45-90		3
41	Global patterns of leaf construction traits and their covariation along climate and soil environmental gradients. *New Phytologist*, **2021**, 232, 1648-1660	9.8	3
40	Pakistan and India Collaboration to Improve Regional Air Quality Has Never Been More Promising. *Integrated Environmental Assessment and Management*, **2020**, 16, 549-551	2.5	2
39	Characteristics of Rearranged Hopanes of Hydrocarbon Source Rocks in Saline Sedimentary Environment: A Case Study of the Songliao Basin. *Acta Geologica Sinica*, **2016**, 90, 2269-2270	0.7	2

38	Genotypic Differences among Maize Inbred Lines in Phosphorus Fertilizer Responsiveness on Soils Differing in Acidity. *Communications in Soil Science and Plant Analysis*, **2009**, 40, 815-824	1.5	2
37	Humates and Chlorides Synergistically Increase Cd Phytoaccumulation in Strawberry Fruits, Heightening Health Risk from Cd in Human Diet. *Exposure and Health*,1	8.8	2
36	Nitrogen and Potassium Fertilisation Influences Growth, Rhizosphere Carboxylate Exudation and Mycorrhizal Colonisation in Temperate Perennial Pasture Grasses. *Agronomy*, **2020**, 10, 1878	3.6	2
35	Intercropping to Maximize Root–Root Interactions in Agricultural Plants **2021**, 309-328		2
34	Periphyton improves soil conditions and offers a suitable environment for rice growth in coastal saline alkali soil. *Land Degradation and Development*, **2021**, 32, 2775-2788	4.4	2
33	Applying foliar magnesium enhances wheat growth in acidic soil by stimulating exudation of malate and citrate. *Plant and Soil*, **2021**, 464, 621	4.2	2
32	Evaluation of the effect of Tb(IV)-NR complex on herring sperm DNA genetic information by mean of spectroscopic. *Nucleosides, Nucleotides and Nucleic Acids*, **2020**, 39, 964-978	1.4	1
31	Residual monomer content and its release into water from the denture base nanocomposite using organic montmorillonite as reinforcement. *Journal Wuhan University of Technology, Materials Science Edition*, **2008**, 23, 839-843	1	1
30	Remediation of heavy metal-contaminated iron ore tailings by applying compost and growing perennial ryegrass (Lolium perenne L.). *Chemosphere*, **2021**, 288, 132573	8.4	1
29	Co-Cropping Indian Mustard and Silage Maize for Phytoremediation of a Cadmium-Contaminated Acid Paddy Soil Amended with Peat. *Toxics*, **2021**, 9,	4.7	1
28	Root–Microbe Interactions Influencing Water and Nutrient Acquisition Efficiency **2021**, 159-192		1
27	Winter Wheat and Summer Maize Roots in Agro-Ecosystems on the North China Plain **2021**, 271-288		1
26	Simulating the Diversity and Plasticity of Root Systems Using 3D Models of the Root System Architecture **2021**, 355-373		1
25	Titanium Dioxide Nanoparticles Increase Tissue Ti Concentration and Activate Antioxidants in Solanum lycopersicum L.. *Journal of Soil Science and Plant Nutrition*, **2021**, 21, 1881-1889	3.2	1
24	The 3-D Imaging of Roots Growing in Soil **2021**, 329-353		1
23	Microbial consortium inoculant increases pasture grasses yield in low-phosphorus soil by influencing root morphology, rhizosphere carboxylate exudation and mycorrhizal colonisation. *Journal of the Science of Food and Agriculture*, **2022**, 102, 540-549	4.3	1
22	Genetic aluminium resistance coupled with foliar magnesium application enhances wheat growth in acidic soil. *Journal of the Science of Food and Agriculture*, **2021**, 101, 4643-4652	4.3	1
21	Rhizosphere bacteria containing ACC deaminase decrease root ethylene emission and improve maize root growth with localized nutrient supply. *Food and Energy Security*, **2021**, 10, 275-284	4.1	1

20	A Spectroscopic Study of the Interaction Between the Bismarck Brown R–Eu(III) Complex and DNA. *Journal of Applied Spectroscopy*, **2018**, 85, 791-799	0.7	1
19	Melatonin increases leaf disease resistance and saponin biosynthesis in Panax notogiseng. *Journal of Plant Physiology*, **2021**, 263, 153466	3.6	1
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