

Hongbo Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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

#	Paper	IF	Citations
181	Expression of Genes Related to Plant Hormone Signal Transduction in Jerusalem Artichoke (<i>Helianthus tuberosus</i> L.) Seedlings under Salt Stress. <i>Agronomy</i> , 2022 , 12, 163	3.6	
180	Phytomelatonin prevents bacterial invasion during nighttime.. <i>Trends in Plant Science</i> , 2022 ,	13.1	3
179	Synergism between feremycorrhizal symbiosis and free-living diazotrophs leads to improved growth and nutrition of wheat under nitrogen deficiency conditions. <i>Biology and Fertility of Soils</i> , 2022 , 58, 121	6.1	0
178	Localized nutrient supply can facilitate root proliferation and increase nitrogen-use efficiency in compacted soil. <i>Soil and Tillage Research</i> , 2022 , 215, 105198	6.5	0
177	Microbial consortium inoculant increases pasture grasses yield in low-phosphorus soil by influencing root morphology, rhizosphere carboxylate exudation and mycorrhizal colonisation. <i>Journal of the Science of Food and Agriculture</i> , 2022 , 102, 540-549	4.3	1
176	Physiological and Molecular Changes in Cherry Red Tobacco in Response to Iron Deficiency Stress.. <i>Frontiers in Plant Science</i> , 2022 , 13, 861081	6.2	0
175	Ensuring future food security and resource sustainability: insights into the rhizosphere.. <i>IScience</i> , 2022 , 25, 104168	6.1	0
174	Industrial Hemp (<i>Cannabis sativa</i> L.) Varieties and Seed Pre-Treatments Affect Seed Germination and Early Growth of Seedlings. <i>Agronomy</i> , 2022 , 12, 6	3.6	1
173	Stomatal closure induced by hydrogen-rich water is dependent on GPA1 in <i>Arabidopsis thaliana</i> .. <i>Plant Physiology and Biochemistry</i> , 2022 , 183, 72-75	5.4	0
172	The Response of Plants and Mycorrhizal Fungi to Nutritionally-Heterogeneous Environments Are Regulated by Nutrient Types and Plant Functional Groups. <i>Frontiers in Plant Science</i> , 2021 , 12, 734641	6.2	0
171	Remediation of heavy metal-contaminated iron ore tailings by applying compost and growing perennial ryegrass (<i>Lolium perenne</i> L.). <i>Chemosphere</i> , 2021 , 288, 132573	8.4	1
170	Intercropping to Maximize RootRoot Interactions in Agricultural Plants 2021 , 289-307		
169	Effects of planting <i>Melia azedarach</i> L. on soil properties and microbial community in saline-alkali soil. <i>Land Degradation and Development</i> , 2021 , 32, 2951-2961	4.4	4
168	Co-Cropping Indian Mustard and Silage Maize for Phytoremediation of a Cadmium-Contaminated Acid Paddy Soil Amended with Peat. <i>Toxics</i> , 2021 , 9,	4.7	1
167	Dynamics of Root Systems in Crop and Pasture Genotypes over the Last 100 Years 2021 , 91-120		
166	Intercropping to Maximize RootRoot Interactions in Agricultural Plants 2021 , 309-328		2
165	RootMicrobe Interactions Influencing Water and Nutrient Acquisition Efficiency 2021 , 159-192		1

164	Winter Wheat and Summer Maize Roots in Agro-Ecosystems on the North China Plain 2021 , 271-288		1
163	Simulating the Diversity and Plasticity of Root Systems Using 3D Models of the Root System Architecture 2021 , 355-373		1
162	Plant Roots for Sustainable Soil Structure Management in Cropping Systems 2021 , 45-90		3
161	Periphyton improves soil conditions and offers a suitable environment for rice growth in coastal saline alkali soil. <i>Land Degradation and Development</i> , 2021 , 32, 2775-2788	4.4	2
160	Titanium Dioxide Nanoparticles Increase Tissue Ti Concentration and Activate Antioxidants in <i>Solanum lycopersicum</i> L.. <i>Journal of Soil Science and Plant Nutrition</i> , 2021 , 21, 1881-1889	3.2	1
159	The Interplay Between Roots and Arbuscular Mycorrhizal Fungi Influencing Water and Nutrient Acquisition and Use Efficiency 2021 , 193-220		6
158	Sustainable Intensification 2021 , 1-24		
157	Interplay Between Root Structure and Function in Enhancing Efficiency of Nitrogen and Phosphorus Acquisition 2021 , 121-157		0
156	The 3-D Imaging of Roots Growing in Soil 2021 , 329-353		1
155	Water Uptake in Drying Soil 2021 , 245-270		
154	Genetic and Molecular Regulation of Root Growth and Development 2021 , 25-43		
153	Role of Seed Priming in Root Development and Crop Production 2021 , 221-243		
152	Phenotyping-Modelling Interfaces to Advance Breeding for Optimized Crop Root Systems 2021 , 375-424		0
151	Characterisation of a thermally denatured whey protein isolateButter emulsion/emulsion gel mediated by citric acid and a pre-emulsification method. <i>International Journal of Dairy Technology</i> , 2021 , 74, 600-605	3.7	0
150	Applying foliar magnesium enhances wheat growth in acidic soil by stimulating exudation of malate and citrate. <i>Plant and Soil</i> , 2021 , 464, 621	4.2	2
149	Biomass bottom ash & dolomite similarly ameliorate an acidic low-nutrient soil, improve phytonutrition and growth, but increase Cd accumulation in radish. <i>Science of the Total Environment</i> , 2021 , 753, 141902	10.2	16
148	Environmental salinization processes: Detection, implications & solutions. <i>Science of the Total Environment</i> , 2021 , 754, 142432	10.2	27
147	Long-term biochar application promotes rice productivity by regulating root dynamic development and reducing nitrogen leaching. <i>GCB Bioenergy</i> , 2021 , 13, 257-268	5.6	10

146	Higher soil acidification risk in southeastern Tibetan Plateau. <i>Science of the Total Environment</i> , 2021 , 755, 143372	10.2	5
145	Foliar application of magnesium mitigates soil acidity stress in wheat. <i>Journal of Agronomy and Crop Science</i> , 2021 , 207, 378-389	3.9	5
144	Genetic aluminium resistance coupled with foliar magnesium application enhances wheat growth in acidic soil. <i>Journal of the Science of Food and Agriculture</i> , 2021 , 101, 4643-4652	4.3	1
143	Rhizosphere bacteria containing ACC deaminase decrease root ethylene emission and improve maize root growth with localized nutrient supply. <i>Food and Energy Security</i> , 2021 , 10, 275-284	4.1	1
142	One-step enzyme-free detection of the miRNA let-7a via twin-stage signal amplification. <i>Talanta</i> , 2021 , 230, 122158	6.2	6
141	Phenotyping and Validation of Root Morphological Traits in Barley (<i>Hordeum vulgare</i> L.). <i>Agronomy</i> , 2021 , 11, 1583	3.6	4
140	Melatonin increases leaf disease resistance and saponin biosynthesis in <i>Panax notogiseng</i> . <i>Journal of Plant Physiology</i> , 2021 , 263, 153466	3.6	1
139	Melatonin functions in priming of stomatal immunity in <i>Panax notoginseng</i> and <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2021 , 187, 2837-2851	6.6	10
138	Global patterns of leaf construction traits and their covariation along climate and soil environmental gradients. <i>New Phytologist</i> , 2021 , 232, 1648-1660	9.8	3
137	Soil phosphorus availability determines the preference for direct or mycorrhizal phosphorus uptake pathway in maize. <i>Geoderma</i> , 2021 , 403, 115261	6.7	5
136	Boron inhibits cadmium uptake in wheat (<i>Triticum aestivum</i>) by regulating gene expression. <i>Plant Science</i> , 2020 , 297, 110522	5.3	13
135	Magnesium decreases aluminum accumulation and plays a role in protecting maize from aluminum-induced oxidative stress. <i>Plant and Soil</i> , 2020 , 457, 71-81	4.2	5
134	Soil plant-available phosphorus levels and maize genotypes determine the phosphorus acquisition efficiency and contribution of mycorrhizal pathway. <i>Plant and Soil</i> , 2020 , 449, 357-371	4.2	25
133	Growth and nutrient uptake of temperate perennial pastures are influenced by grass species and fertilisation with a microbial consortium inoculant. <i>Journal of Plant Nutrition and Soil Science</i> , 2020 , 183, 530-538	2.3	6
132	Pakistan and India Collaboration to Improve Regional Air Quality Has Never Been More Promising. <i>Integrated Environmental Assessment and Management</i> , 2020 , 16, 549-551	2.5	2
131	Evaluation of the effect of Tb(IV)-NR complex on herring sperm DNA genetic information by mean of spectroscopic. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020 , 39, 964-978	1.4	1
130	Magnesium reduces cadmium accumulation by decreasing the nitrate reductase-mediated nitric oxide production in <i>Panax notoginseng</i> roots. <i>Journal of Plant Physiology</i> , 2020 , 248, 153131	3.6	8
129	Daily rhythms of phytemelatonin signaling modulate diurnal stomatal closure via regulating reactive oxygen species dynamics in <i>Arabidopsis</i> . <i>Journal of Pineal Research</i> , 2020 , 68, e12640	10.4	31

128	Sowing Methods Influence Soil Bacterial Diversity and Community Composition in a Winter Wheat-Summer Maize Rotation System on the Loess Plateau. <i>Frontiers in Microbiology</i> , 2020 , 11, 192	5.7	6
127	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. <i>Science of the Total Environment</i> , 2020 , 721, 137636	10.2	11
126	Mycorrhizal impacts on root trait plasticity of six maize varieties along a phosphorus supply gradient. <i>Plant and Soil</i> , 2020 , 448, 71-86	4.2	5
125	Accumulation and partitioning of rare earth elements in olive trees and extra virgin olive oil from Adriatic coastal region. <i>Plant and Soil</i> , 2020 , 448, 133-151	4.2	0
124	Microbiome structure and function in rhizosphere of Jerusalem artichoke grown in saline land. <i>Science of the Total Environment</i> , 2020 , 724, 138259	10.2	19
123	Growth, Rhizosphere Carboxylate Exudation, and Arbuscular Mycorrhizal Colonisation in Temperate Perennial Pasture Grasses Varied with Phosphorus Application. <i>Agronomy</i> , 2020 , 10, 1817	3.6	5
122	Interactions of humates and chlorides with cadmium drive soil cadmium chemistry and uptake by radish cultivars. <i>Science of the Total Environment</i> , 2020 , 702, 134887	10.2	12
121	Zinc status and its requirement by rural adults consuming wheat from control or zinc-treated fields. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 1877-1892	4.7	13
120	Comparison of backslopping and two-stage fermentation methods for koumiss powder production based on chemical composition and nutritional properties. <i>Journal of the Science of Food and Agriculture</i> , 2020 , 100, 1822-1826	4.3	9
119	The mechanisms of improving coastal saline soils by planting rice. <i>Science of the Total Environment</i> , 2020 , 703, 135529	10.2	32
118	The niche complementarity driven by rhizosphere interactions enhances phosphorus-use efficiency in maize/alfalfa mixture. <i>Food and Energy Security</i> , 2020 , 9, e252	4.1	8
117	Nitrogen and Potassium Fertilisation Influences Growth, Rhizosphere Carboxylate Exudation and Mycorrhizal Colonisation in Temperate Perennial Pasture Grasses. <i>Agronomy</i> , 2020 , 10, 1878	3.6	2
116	Neighbouring plants modify maize root foraging for phosphorus: coupling nutrients and neighbours for improved nutrient-use efficiency. <i>New Phytologist</i> , 2020 , 226, 244-253	9.8	31
115	Light intensity influence maize adaptation to low P stress by altering root morphology. <i>Plant and Soil</i> , 2020 , 447, 183-197	4.2	12
114	Magnesium promotes root growth and increases aluminum tolerance via modulation of nitric oxide production in Arabidopsis. <i>Plant and Soil</i> , 2020 , 457, 83-95	4.2	12
113	Cadmium stress increases antioxidant enzyme activities and decreases endogenous hormone concentrations more in Cd-tolerant than Cd-sensitive wheat varieties. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 172, 380-387	7	74
112	Roots and arbuscular mycorrhizal fungi are independent in nutrient foraging across subtropical tree species. <i>Plant and Soil</i> , 2019 , 442, 97-112	4.2	5
111	The use of of inulin, maltitol and lecithin as fat replacers and plasticizers in a model reduced-fat mozzarella cheese-like product. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 5586-5593	4.3	10

110	Acquiring control: The evolution of ROS-Induced oxidative stress and redox signaling pathways in plant stress responses. <i>Plant Physiology and Biochemistry</i> , 2019 , 141, 353-369	5.4	129
109	Accumulation and distribution of arsenic and cadmium in winter wheat (<i>Triticum aestivum</i> L.) at different developmental stages. <i>Science of the Total Environment</i> , 2019 , 667, 532-539	10.2	28
108	Palindromic molecular beacon-based intramolecular strand-displacement amplification strategy for ultrasensitive detection of K-ras gene. <i>Analytica Chimica Acta</i> , 2019 , 1065, 98-106	6.6	21
107	Tradeoffs among root morphology, exudation and mycorrhizal symbioses for phosphorus-acquisition strategies of 16 crop species. <i>New Phytologist</i> , 2019 , 223, 882-895	9.8	105
106	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. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	13
105	Aluminum stress differentially affects physiological performance and metabolic compounds in cultivars of highbush blueberry. <i>Scientific Reports</i> , 2019 , 9, 11275	4.9	15
104	Ultra-sensitive label-free electrochemical detection of the acute leukaemia gene Pax-5a based on enzyme-assisted cycle amplification. <i>Biosensors and Bioelectronics</i> , 2019 , 143, 111593	11.8	14
103	Increased planting density of Chinese milk vetch () weakens phosphorus uptake advantage by rapeseed () in a mixed cropping system. <i>AoB PLANTS</i> , 2019 , 11, plz033	2.9	3
102	Early priority effects of occupying a nutrient patch do not influence final maize growth in intensive cropping systems. <i>Plant and Soil</i> , 2019 , 442, 285-298	4.2	3
101	Fluorometric determination of the p53 cancer gene using strand displacement amplification on gold nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 186, 517	5.8	11
100	Low arsenate influx rate and high phosphorus concentration in wheat (<i>Triticum aestivum</i> L.): A mechanism for arsenate tolerance in wheat plants. <i>Chemosphere</i> , 2019 , 214, 94-102	8.4	17
99	Biogeochemistry of soil organic matter in agroecosystems & environmental implications. <i>Science of the Total Environment</i> , 2019 , 658, 1559-1573	10.2	56
98	Zinc-biofortified wheat accumulates more cadmium in grains than standard wheat when grown on cadmium-contaminated soil regardless of soil and foliar zinc application. <i>Science of the Total Environment</i> , 2019 , 654, 402-408	10.2	16
97	Zinc and cadmium mapping by NanoSIMS within the root apex after short-term exposure to metal contamination. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 171, 571-578	7	13
96	Root competition resulting from spatial variation in nutrient distribution elicits decreasing maize yield at high planting density. <i>Plant and Soil</i> , 2019 , 439, 219-232	4.2	11
95	Competition between Zea mays genotypes with different root morphological and physiological traits is dependent on phosphorus forms and supply patterns. <i>Plant and Soil</i> , 2019 , 434, 125-137	4.2	24
94	Biochar application for the remediation of salt-affected soils: Challenges and opportunities. <i>Science of the Total Environment</i> , 2018 , 625, 320-335	10.2	207
93	Humic acids decrease uptake and distribution of trace metals, but not the growth of radish exposed to cadmium toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 151, 55-61	7	37

92	Effects of nitrogen combined with zinc application on glutamate, glutamine, aspartate and asparagine accumulation in two winter wheat cultivars. <i>Plant Physiology and Biochemistry</i> , 2018 , 127, 485-495	5.4	6
91	Phytomelatonin receptor PMTR1-mediated signaling regulates stomatal closure in <i>Arabidopsis thaliana</i> . <i>Journal of Pineal Research</i> , 2018 , 65, e12500	10.4	143
90	Nutrient deficiencies in olives grown on typical Mediterranean soils (Terra rossa, Rendzina, Lithosol). <i>Archives of Agronomy and Soil Science</i> , 2018 , 64, 1777-1790	2	4
89	Metallic nanoparticles influence the structure and function of the photosynthetic apparatus in plants. <i>Plant Physiology and Biochemistry</i> , 2018 , 130, 408-417	5.4	51
88	Reverse strand-displacement amplification strategy for rapid detection of p53 gene. <i>Talanta</i> , 2018 , 187, 365-369	6.2	10
87	Opportunities and challenges in the use of mineral nutrition for minimizing arsenic toxicity and accumulation in rice: A critical review. <i>Chemosphere</i> , 2018 , 194, 171-188	8.4	57
86	Molecular regulation of aluminum resistance and sulfur nutrition during root growth. <i>Planta</i> , 2018 , 247, 27-39	4.7	7
85	Efficient root systems for enhancing tolerance of crops to water and phosphorus limitation. <i>Indian Journal of Plant Physiology</i> , 2018 , 23, 689-696		9
84	A Spectroscopic Study of the Interaction Between the Bismarck Brown REu(III) Complex and DNA. <i>Journal of Applied Spectroscopy</i> , 2018 , 85, 791-799	0.7	1
83	The effect of processing on <i>Pisum sativum</i> L. biofortified with sodium selenate. <i>Journal of Plant Nutrition and Soil Science</i> , 2018 , 181, 932-937	2.3	5
82	Zinc bioavailability and nitrogen concentration in grains of wheat crop sprayed with zinc sulfate, ammonium sulfate, ammonium chloride, and urea. <i>Journal of Plant Nutrition</i> , 2018 , 41, 1926-1936	2.3	5
81	Vegetation succession influences soil carbon sequestration in coastal alkali-saline soils in southeast China. <i>Scientific Reports</i> , 2018 , 8, 9728	4.9	28
80	Physiological and biochemical responses to manganese toxicity in ryegrass (<i>Lolium perenne</i> L.) genotypes. <i>Plant Physiology and Biochemistry</i> , 2017 , 113, 89-97	5.4	17
79	Maize responds to low shoot P concentration by altering root morphology rather than increasing root exudation. <i>Plant and Soil</i> , 2017 , 416, 377-389	4.2	53
78	Melatonin alleviates aluminium toxicity through modulating antioxidative enzymes and enhancing organic acid anion exudation in soybean. <i>Functional Plant Biology</i> , 2017 , 44, 961-968	2.7	48
77	Dynamics of copper and tetracyclines during composting of water hyacinth biomass amended with peat or pig manure. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 23584-23597	5.1	7
76	Diverse belowground resource strategies underlie plant species coexistence and spatial distribution in three grasslands along a precipitation gradient. <i>New Phytologist</i> , 2017 , 216, 1140-1150	9.8	61
75	Zinc fertilisation increases grain zinc and reduces grain lead and cadmium concentrations more in zinc-biofortified than standard wheat cultivar. <i>Science of the Total Environment</i> , 2017 , 605-606, 454-460	10.2	55

74	The endogenous plant hormones and ratios regulate sugar and dry matter accumulation in Jerusalem artichoke in salt-soil. <i>Science of the Total Environment</i> , 2017 , 578, 40-46	10.2	17
73	The Role of the Plasma Membrane H-ATPase in Plant Responses to Aluminum Toxicity. <i>Frontiers in Plant Science</i> , 2017 , 8, 1757	6.2	50
72	Foliar zinc biofortification effects in <i>Lolium rigidum</i> and <i>Trifolium subterraneum</i> grown in cadmium-contaminated soil. <i>PLoS ONE</i> , 2017 , 12, e0185395	3.7	3
71	Differential nitrogen-use efficiency in wheat parents of doubled-haploid mapping populations. <i>Plant and Soil</i> , 2016 , 408, 311-325	4.2	5
70	Characteristics of Rearranged Hopanes of Hydrocarbon Source Rocks in Saline Sedimentary Environment: A Case Study of the Songliao Basin. <i>Acta Geologica Sinica</i> , 2016 , 90, 2269-2270	0.7	2
69	Occurrence and Geochemical Significance of Phenylanthracenes and Terphenyls in Oils and Condensates from the Yakela Faulted Uplift, Tarim Basin, Northwest China. <i>Energy & Fuels</i> , 2016 , 30, 4457-4466	4.1	3
68	Nitrate reductase-mediated NO production enhances Cd accumulation in <i>Panax notoginseng</i> roots by affecting root cell wall properties. <i>Journal of Plant Physiology</i> , 2016 , 193, 64-70	3.6	25
67	Mapping QTL associated with remobilization of zinc from vegetative tissues into grains of barley (<i>Hordeum vulgare</i>). <i>Plant and Soil</i> , 2016 , 399, 193-208	4.2	20
66	The Genetic Control of Grain Protein Content under Variable Nitrogen Supply in an Australian Wheat Mapping Population. <i>PLoS ONE</i> , 2016 , 11, e0159371	3.7	21
65	Genetic Basis for Variation in Wheat Grain Yield in Response to Varying Nitrogen Application. <i>PLoS ONE</i> , 2016 , 11, e0159374	3.7	16
64	Major Crop Species Show Differential Balance between Root Morphological and Physiological Responses to Variable Phosphorus Supply. <i>Frontiers in Plant Science</i> , 2016 , 7, 1939	6.2	96
63	Balance between salt stress and endogenous hormones influence dry matter accumulation in Jerusalem artichoke. <i>Science of the Total Environment</i> , 2016 , 568, 891-898	10.2	23
62	Increased soil phosphorus availability induced by faba bean root exudation stimulates root growth and phosphorus uptake in neighbouring maize. <i>New Phytologist</i> , 2016 , 209, 823-31	9.8	96
61	Root over-production in heterogeneous nutrient environment has no negative effects on <i>Zea mays</i> shoot growth in the field. <i>Plant and Soil</i> , 2016 , 409, 405-417	4.2	14
60	Root trait diversity, molecular marker diversity, and trait-marker associations in a core collection of <i>Lupinus angustifolius</i> . <i>Journal of Experimental Botany</i> , 2016 , 67, 3683-97	7	13
59	Pepino (<i>Solanum muricatum</i>) planting increased diversity and abundance of bacterial communities in karst area. <i>Scientific Reports</i> , 2016 , 6, 21938	4.9	15
58	Salinity altered root distribution and increased diversity of bacterial communities in the rhizosphere soil of Jerusalem artichoke. <i>Scientific Reports</i> , 2016 , 6, 20687	4.9	60
57	Auxin enhances aluminium-induced citrate exudation through upregulation of GmMATE and activation of the plasma membrane H ⁺ -ATPase in soybean roots. <i>Annals of Botany</i> , 2016 , 118, 933-940	4.1	33

56	Grain production versus resource and environmental costs: towards increasing sustainability of nutrient use in China. <i>Journal of Experimental Botany</i> , 2016 , 67, 4935-49	7	74
55	Ratiometric fluorescent detection of biomarkers for biological warfare agents with carbon dots chelated europium-based nanoscale coordination polymers. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 586-592	8.5	62
54	A novel conductance glucose biosensor in ultra-low ionic strength solution triggered by the oxidation of Ag nanoparticles. <i>Analytica Chimica Acta</i> , 2015 , 891, 144-50	6.6	10
53	One-step synthesis of PtNiO nanoplate array/reduced graphene oxide nanocomposites for nonenzymatic glucose sensing. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 608-616	13	109
52	Complementarity in nutrient foraging strategies of absorptive fine roots and arbuscular mycorrhizal fungi across 14 coexisting subtropical tree species. <i>New Phytologist</i> , 2015 , 208, 125-36	9.8	121
51	Quantitative Trait Loci (QTL) of Seed Zn Accumulation in Barley Population Clipper X Sahara. <i>Journal of Plant Nutrition</i> , 2015 , 38, 1672-1684	2.3	18
50	Plastic Mulch Stimulates Nitrogen Mineralization in Urea-Amended Soils in a Semiarid Environment. <i>Agronomy Journal</i> , 2015 , 107, 921-930	2.2	34
49	Root morphological responses to localized nutrient supply differ among crop species with contrasting root traits. <i>Plant and Soil</i> , 2014 , 376, 151-163	4.2	71
48	Endophytic bacteria from selenium-supplemented wheat plants could be useful for plant-growth promotion, biofortification and <i>Gaeumannomyces graminis</i> biocontrol in wheat production. <i>Biology and Fertility of Soils</i> , 2014 , 50, 983-990	6.1	62
47	Manganese toxicity and UV-B radiation differentially influence the physiology and biochemistry of highbush blueberry (<i>Vaccinium corymbosum</i>) cultivars. <i>Functional Plant Biology</i> , 2014 , 41, 156-167	2.7	20
46	Modelling root-soil interactions using three-dimensional models of root growth, architecture and function. <i>Plant and Soil</i> , 2013 , 372, 93-124	4.2	191
45	Localized application of NH ₄ ⁺ -N plus P at the seedling and later growth stages enhances nutrient uptake and maize yield by inducing lateral root proliferation. <i>Plant and Soil</i> , 2013 , 372, 65-80	4.2	57
44	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	4.2	86
43	Beneficial Elements 2012 , 249-269		56
42	Assessing variability in root traits of wild <i>Lupinus angustifolius</i> germplasm: basis for modelling root system structure. <i>Plant and Soil</i> , 2012 , 354, 141-155	4.2	37
41	Phosphorus nutrition alleviates manganese toxicity in <i>Lolium perenne</i> and <i>Trifolium repens</i> . <i>Journal of Plant Nutrition and Soil Science</i> , 2011 , 174, 210-219	2.3	13
40	Nutrient Management in Organic Farming and Consequences for Direct and Indirect Selection Strategies 2011 , 15-38		9
39	Development of a novel semi-hydroponic phenotyping system for studying root architecture. <i>Functional Plant Biology</i> , 2011 , 38, 355-363	2.7	54

38	Phenotypic variability and modelling of root structure of wild <i>Lupinus angustifolius</i> genotypes. <i>Plant and Soil</i> , 2011 , 348, 345-364	4.2	44
37	ROOT EXUDATION AND ZINC UPTAKE BY BARLEY GENOTYPES DIFFERING IN ZN EFFICIENCY. <i>Journal of Plant Nutrition</i> , 2011 , 34, 1120-1132	2.3	19
36	Zinc in Soils and Crop Nutrition 2011 , 335-375		27
35	Aluminum, manganese, and iron tolerance improves performance of wheat genotypes in waterlogged acidic soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2010 , 173, 461-468	2.3	42
34	Variation of tolerance to manganese toxicity in Australian hexaploid wheat. <i>Journal of Plant Nutrition and Soil Science</i> , 2010 , 173, 103-112	2.3	28
33	Phosphorus uptake and rhizosphere properties of intercropped and monocropped maize, faba bean, and white lupin in acidic soil. <i>Biology and Fertility of Soils</i> , 2010 , 46, 79-91	6.1	93
32	Molecular marker linked to a chromosome region regulating seed Zn accumulation in barley. <i>Molecular Breeding</i> , 2010 , 25, 167-177	3.4	21
31	Wheat, canola and grain legume access to soil phosphorus fractions differs in soils with contrasting phosphorus dynamics. <i>Plant and Soil</i> , 2010 , 326, 159-170	4.2	79
30	Crop species differ in root plasticity response to localised P supply. <i>Journal of Plant Nutrition and Soil Science</i> , 2009 , 172, 360-368	2.3	23
29	Genotypic Differences among Maize Inbred Lines in Phosphorus Fertilizer Responsiveness on Soils Differing in Acidity. <i>Communications in Soil Science and Plant Analysis</i> , 2009 , 40, 815-824	1.5	2
28	Differential tolerance to Mn toxicity in perennial ryegrass genotypes: involvement of antioxidative enzymes and root exudation of carboxylates. <i>Plant and Soil</i> , 2009 , 320, 79-89	4.2	93
27	Differential Zinc Efficiency of Barley Genotypes Grown in Soil and Chelator-Buffered Nutrient Solution. <i>Journal of Plant Nutrition</i> , 2009 , 32, 1744-1767	2.3	7
26	Changes in soil-plant P under heterogeneous P supply influence C allocation between the shoot and roots. <i>Functional Plant Biology</i> , 2009 , 36, 826-831	2.7	3
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24	Phosphorus acquisition and wheat growth are influenced by shoot phosphorus status and soil phosphorus distribution in a split-root system. <i>Journal of Plant Nutrition and Soil Science</i> , 2008 , 171, 266-271	2.3	20
23	Root Morphology, Proton Release, and Carboxylate Exudation in Lupin in Response to Phosphorus Deficiency. <i>Journal of Plant Nutrition</i> , 2008 , 31, 557-570	2.3	17
22	Isolation of culturable phosphobacteria with both phytate-mineralization and phosphate-solubilization activity from the rhizosphere of plants grown in a volcanic soil. <i>Biology and Fertility of Soils</i> , 2008 , 44, 1025-1034	6.1	165
21	Residual monomer content and its release into water from the denture base nanocomposite using organic montmorillonite as reinforcement. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2008 , 23, 839-843	1	1

20	Phytoremediation of Nitrogen-Polluted Water Using Water Hyacinth. <i>Journal of Plant Nutrition</i> , 2007 , 30, 1753-1765	2.3	30
19	Differential accumulation patterns of phosphorus and potassium by canola cultivars compared to wheat. <i>Journal of Plant Nutrition and Soil Science</i> , 2007 , 170, 404-411	2.3	79
18	Growth, P uptake and rhizosphere properties of wheat and canola genotypes in an alkaline soil with low P availability. <i>Biology and Fertility of Soils</i> , 2007 , 44, 143-153	6.1	39
17	Nutrient Removal from Simulated Wastewater Using <i>Canna indica</i> and <i>Schoenoplectus validus</i> in Mono- and Mixed-Culture in Wetland Microcosms. <i>Water, Air, and Soil Pollution</i> , 2007 , 183, 95-105	2.6	45
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13	Cluster Root Formation by <i>Lupinus Albus</i> is Modified by Stratified Application of Phosphorus in a Split-Root System. <i>Journal of Plant Nutrition</i> , 2007 , 30, 271-288	2.3	15
12	Formation of cluster roots and citrate exudation by <i>Lupinus albus</i> in response to localized application of different phosphorus sources. <i>Plant Science</i> , 2007 , 172, 1017-1024	5.3	27
11	Manganese Supply and pH Influence Growth, Carboxylate Exudation and Peroxidase Activity of Ryegrass and White Clover. <i>Journal of Plant Nutrition</i> , 2007 , 30, 253-270	2.3	55
10	Decomposition of maize straw in saline soil. <i>Biology and Fertility of Soils</i> , 2006 , 42, 366-370	6.1	24
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