

Zed Rengel

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.

222
papers

9,624
citations

55
h-index

88
g-index

225
ext. papers

11,301
ext. citations

5
avg, IF

6.62
L-index

#	Paper	IF	Citations
222	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	
221	Phytomelatonin prevents bacterial invasion during nighttime.. <i>Trends in Plant Science</i> , 2022 ,	13.1	3
220	Response of wheat to the geometry and proximity of lime slotting in an acidic soil profile. <i>Soil and Tillage Research</i> , 2022 , 217, 105269	6.5	1
219	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
218	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
217	Ensuring future food security and resource sustainability: insights into the rhizosphere.. <i>IScience</i> , 2022 , 25, 104168	6.1	0
216	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
215	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
214	Effects of Soil Properties and Microbiome on Highbush Blueberry (<i>Vaccinium corymbosum</i>) Growth. <i>Agronomy</i> , 2022 , 12, 1263	3.6	0
213	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
212	Potassium Use Efficiency of Plants 2021 , 119-145		2
211	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
210	Simulating the Diversity and Plasticity of Root Systems Using 3D Models of the Root System Architecture 2021 , 355-373		1
209	Interplay Between Root Structure and Function in Enhancing Efficiency of Nitrogen and Phosphorus Acquisition 2021 , 121-157		0
208	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
207	Growth and Element Uptake by Salt-Sensitive Crops under Combined NaCl and Cd Stresses. <i>Plants</i> , 2021 , 10,	4.5	5
206	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

205	Wood biomass fly ash ameliorates acidic, low-nutrient hydromorphic soil & reduces metal accumulation in maize. <i>Journal of Cleaner Production</i> , 2021 , 283, 124650	10.3	8
204	Environmental salinization processes: Detection, implications & solutions. <i>Science of the Total Environment</i> , 2021 , 754, 142432	10.2	27
203	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
202	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
201	Deep banding of phosphorus and nitrogen enhances <i>Rosa multiflora</i> growth and nutrient accumulation by improving root spatial distribution. <i>Scientia Horticulturae</i> , 2021 , 277, 109800	4.1	3
200	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
199	Phenotyping and Validation of Root Morphological Traits in Barley (<i>Hordeum vulgare</i> L.). <i>Agronomy</i> , 2021 , 11, 1583	3.6	4
198	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
197	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
196	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
195	Bioashes and their potential for reuse to sustain ecosystem services and underpin circular economy. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 151, 111540	16.2	5
194	Soil phosphorus availability determines the preference for direct or mycorrhizal phosphorus uptake pathway in maize. <i>Geoderma</i> , 2021 , 403, 115261	6.7	5
193	Boron inhibits cadmium uptake in wheat (<i>Triticum aestivum</i>) by regulating gene expression. <i>Plant Science</i> , 2020 , 297, 110522	5.3	13
192	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
191	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
190	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
189	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
188	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

187	Growth, Rhizosphere Carboxylate Exudation, and Arbuscular Mycorrhizal Colonisation in Temperate Perennial Pasture Grasses Varied with Phosphorus Application. <i>Agronomy</i> , 2020 , 10, 2017	3.6	5
186	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
185	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
184	Effects of soil physicochemical properties on microbial communities in different ecological niches in coastal area. <i>Applied Soil Ecology</i> , 2020 , 150, 103486	5	12
183	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
182	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
181	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
180	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
179	Arsenic and Heavy Metal (Cadmium, Lead, Mercury and Nickel) Contamination in Plant-Based Foods 2019 , 447-490		15
178	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
177	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
176	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
175	Melatonin alleviates aluminum-induced root growth inhibition by interfering with nitric oxide production in Arabidopsis. <i>Environmental and Experimental Botany</i> , 2019 , 161, 157-165	5.9	43
174	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
173	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
172	Biogeochemistry of soil organic matter in agroecosystems & environmental implications. <i>Science of the Total Environment</i> , 2019 , 658, 1559-1573	10.2	56
171	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
170	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

169	Root length and root lipid composition contribute to drought tolerance of winter and spring wheat. <i>Plant and Soil</i> , 2019 , 439, 57-73	4.2	21
168	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
167	A major QTL controlling the tolerance to manganese toxicity in barley (<i>Hordeum vulgare</i> L.). <i>Molecular Breeding</i> , 2018 , 38, 1	3.4	8
166	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
165	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
164	Arsenic-phosphorus interactions in the soil-plant-microbe system: Dynamics of uptake, suppression and toxicity to plants. <i>Environmental Pollution</i> , 2018 , 233, 1003-1012	9.3	61
163	Potassium starvation affects biomass partitioning and sink-source responses in three sweet potato genotypes with contrasting potassium-use efficiency. <i>Crop and Pasture Science</i> , 2018 , 69, 506	2.2	10
162	Role of Potassium in Governing Photosynthetic Processes and Plant Yield 2018 , 191-203		5
161	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
160	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
159	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
158	Genetic Engineering and Molecular Strategies for Nutrient Manipulation in Plants 2017 , 405-441		2
157	Differential nitrogen supply causes large variability in photosynthetic traits in wheat germplasm. <i>Crop and Pasture Science</i> , 2017 , 68, 703	2.2	6
156	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
155	PROTOCOL: Agronomic biofortification strategies to increase grain zinc concentrations for improved nutritional quality of wheat, maize and rice: a systematic review. <i>Campbell Systematic Reviews</i> , 2017 , 13, 1-16	2.1	
154	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
153	Differential nitrogen-use efficiency in wheat parents of doubled-haploid mapping populations. <i>Plant and Soil</i> , 2016 , 408, 311-325	4.2	5
152	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

151	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
150	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
149	Root over-production in heterogeneous nutrient environment has no negative effects on Zea mays shoot growth in the field. <i>Plant and Soil</i> , 2016 , 409, 405-417	4.2	14
148	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
147	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
146	Phenotyping for Root Traits 2015 , 101-128		6
145	Magnesium alleviates plant toxicity of aluminium and heavy metals. <i>Crop and Pasture Science</i> , 2015 , 66, 1298	2.2	41
144	Availability of Mn, Zn and Fe in the rhizosphere. <i>Journal of Soil Science and Plant Nutrition</i> , 2015 , 0-0	3.2	62
143	The NPR1-dependent salicylic acid signalling pathway is pivotal for enhanced salt and oxidative stress tolerance in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2015 , 66, 1865-75	7	80
142	Salicylic acid in plant salinity stress signalling and tolerance. <i>Plant Growth Regulation</i> , 2015 , 76, 25-40	3.2	139
141	Specificity of Ion Uptake and Homeostasis Maintenance During Acid and Aluminium Stresses. <i>Signaling and Communication in Plants</i> , 2015 , 229-251	1	9
140	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
139	Influence of plant species and submerged zone with carbon addition on the removal of metals by stormwater biofilters. <i>Desalination and Water Treatment</i> , 2014 , 52, 4282-4291		5
138	Localized application of NH ₄ ⁺ -N plus P enhances zinc and iron accumulation in maize via modifying root traits and rhizosphere processes. <i>Field Crops Research</i> , 2014 , 164, 107-116	5.5	25
137	Cellular Mechanisms in Higher Plants Governing Tolerance to Cadmium Toxicity. <i>Critical Reviews in Plant Sciences</i> , 2014 , 33, 374-391	5.6	197
136	Root architecture alteration of narrow-leafed lupin and wheat in response to soil compaction. <i>Field Crops Research</i> , 2014 , 165, 61-70	5.5	54
135	Interaction of veterinary antibiotic tetracyclines and copper on their fates in water and water hyacinth (<i>Eichhornia crassipes</i>). <i>Journal of Hazardous Materials</i> , 2014 , 280, 389-98	12.8	41
134	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

133	Modelling root plasticity and response of narrow-leaved lupin to heterogeneous phosphorus supply. <i>Plant and Soil</i> , 2013 , 372, 319-337	4.2	30
132	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
131	Salicylic acid improves salinity tolerance in Arabidopsis by restoring membrane potential and preventing salt-induced K ⁺ loss via a GORK channel. <i>Journal of Experimental Botany</i> , 2013 , 64, 2255-68	7	171
130	Biochars immobilize soil cadmium, but do not improve growth of emergent wetland species <i>Juncus subsecundus</i> in cadmium-contaminated soil. <i>Journal of Soils and Sediments</i> , 2013 , 13, 140-151	3.4	79
129	Physiology of Nitrogen-Use Efficiency 2013 , 105-121		3
128	Breeding Approaches to Increasing Nutrient-Use Efficiency 2013 , 161-175		6
127	Using Simulation Modeling of Root Growth and Function as an Aid in Breeding for Increased Water- and Nutrient-Use Efficiency 2013 , 177-186		
126	Banding phosphorus and ammonium enhances nutrient uptake by maize via modifying root spatial distribution. <i>Crop and Pasture Science</i> , 2013 , 64, 965	2.2	18
125	Low-pH and aluminum resistance in Arabidopsis correlates with high cytosolic magnesium content and increased magnesium uptake by plant roots. <i>Plant and Cell Physiology</i> , 2013 , 54, 1093-104	4.9	53
124	Phosphorus starvation boosts carboxylate secretion in P-deficient genotypes of <i>Lupinus angustifolius</i> with contrasting root structure. <i>Crop and Pasture Science</i> , 2013 , 64, 588	2.2	35
123	Salinity decreases dissolved organic carbon in the rhizosphere and increases trace element phyto-accumulation. <i>European Journal of Soil Science</i> , 2012 , 63, 685-693	3.4	24
122	Molecular and physiological strategies to increase aluminum resistance in plants. <i>Molecular Biology Reports</i> , 2012 , 39, 2069-79	2.8	74
121	Phytoremediation potential of <i>Juncus subsecundus</i> in soils contaminated with cadmium and polynuclear aromatic hydrocarbons (PAHs). <i>Geoderma</i> , 2012 , 175-176, 1-8	6.7	76
120	The Role of Soil Organic Matter in Trace Element Bioavailability and Toxicity 2012 , 403-423		12
119	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
118	Beneficial Elements 2012 , 249-269		56
117	Mineral bioavailability in grains of Pakistani bread wheat declines from old to current cultivars. <i>Euphytica</i> , 2012 , 186, 153-163	2.1	17
116	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

115	Tolerance to ion toxicities enhances wheat (<i>Triticum aestivum</i> L.) grain yield in waterlogged acidic soils. <i>Plant and Soil</i> , 2012 , 354, 371-381	4.2	22
114	Localized fertilization with P plus N elicits an ammonium-dependent enhancement of maize root growth and nutrient uptake. <i>Field Crops Research</i> , 2012 , 133, 176-185	5.5	82
113	DIFFERENTIAL CAPACITY OF WHEAT CULTIVARS AND WHITE LUPIN TO ACQUIRE PHOSPHORUS FROM ROCK PHOSPHATE, PHYTATE AND SOLUBLE PHOSPHORUS SOURCES. <i>Journal of Plant Nutrition</i> , 2012 , 35, 1180-1191	2.3	9
112	Nutrient Management in Organic Farming and Consequences for Direct and Indirect Selection Strategies 2011 , 15-38		9
111	Influence of plant species and submerged zone with carbon addition on nutrient removal in stormwater biofilter. <i>Ecological Engineering</i> , 2011 , 37, 1833-1841	3.9	58
110	Improved measurements of Na ⁺ fluxes in plants using calixarene-based microelectrodes. <i>Journal of Plant Physiology</i> , 2011 , 168, 1045-51	3.6	30
109	Soil Salinisation and Salt Stress in Crop Production 2011 ,		30
108	Development of a novel semi-hydroponic phenotyping system for studying root architecture. <i>Functional Plant Biology</i> , 2011 , 38, 355-363	2.7	54
107	Wheat and white lupin differ in root proliferation and phosphorus use efficiency under heterogeneous soil P supply. <i>Crop and Pasture Science</i> , 2011 , 62, 467	2.2	17
106	Rhizosphere interactions between microorganisms and plants govern iron and phosphorus acquisition along the root axis [model and research methods. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 883-894	7.5	236
105	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
104	Role of magnesium in alleviation of aluminium toxicity in plants. <i>Journal of Experimental Botany</i> , 2011 , 62, 2251-64	7	149
103	Polynuclear aromatic hydrocarbons (PAHs) mediate cadmium toxicity to an emergent wetland species. <i>Journal of Hazardous Materials</i> , 2011 , 189, 119-26	12.8	72
102	Wheat genotypes differ in potassium accumulation and osmotic adjustment under drought stress. <i>Crop and Pasture Science</i> , 2011 , 62, 550	2.2	18
101	Aluminum-dependent dynamics of ion transport in <i>Arabidopsis</i> : specificity of low pH and aluminum responses. <i>Physiologia Plantarum</i> , 2010 , 139, 401-12	4.6	29
100	Aluminium-induced ion transport in <i>Arabidopsis</i> : the relationship between Al tolerance and root ion flux. <i>Journal of Experimental Botany</i> , 2010 , 61, 3163-75	7	43
99	Localized application of phosphorus and ammonium improves growth of maize seedlings by stimulating root proliferation and rhizosphere acidification. <i>Field Crops Research</i> , 2010 , 119, 355-364	5.5	138
98	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

97	Molecular marker linked to a chromosome region regulating seed Zn accumulation in barley. <i>Molecular Breeding</i> , 2010 , 25, 167-177	3.4	21
96	Cadmium Accumulation and Translocation in Four Emergent Wetland Species. <i>Water, Air, and Soil Pollution</i> , 2010 , 212, 239-249	2.6	43
95	Dissipation of polycyclic aromatic hydrocarbons (PAHs) in the rhizosphere: synthesis through meta-analysis. <i>Environmental Pollution</i> , 2010 , 158, 855-61	9.3	77
94	Polynuclear aromatic hydrocarbons (PAHs) differentially influence growth of various emergent wetland species. <i>Journal of Hazardous Materials</i> , 2010 , 182, 689-95	12.8	45
93	Nitrogen Removal from Eutrophicated Water by Aquatic Plants 2010 , 355-372		7
92	Uptake of aluminium into Arabidopsis root cells measured by fluorescent lifetime imaging. <i>Annals of Botany</i> , 2009 , 104, 189-95	4.1	31
91	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
90	Cadmium accumulation by muskmelon under salt stress in contaminated organic soil. <i>Science of the Total Environment</i> , 2009 , 407, 2175-82	10.2	46
89	A quantitative size-density separation method to recover and characterise decomposing crop residues added to soil. <i>Biology and Fertility of Soils</i> , 2009 , 45, 423-434	6.1	3
88	Kinetics of ammonium, nitrate and phosphorus uptake by <i>Canna indica</i> and <i>Schoenoplectus validus</i> . <i>Aquatic Botany</i> , 2009 , 91, 71-74	1.8	35
87	The effectiveness of deep placement of fertilisers is determined by crop species and edaphic conditions in Mediterranean-type environments: a review. <i>Soil Research</i> , 2009 , 47, 19	1.8	46
86	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
85	Crops and genotypes differ in efficiency of potassium uptake and use. <i>Physiologia Plantarum</i> , 2008 , 133, 624-36	4.6	277
84	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
83	Interactive effects of N and P on growth but not on resource allocation of <i>Canna indica</i> in wetland microcosms. <i>Aquatic Botany</i> , 2008 , 89, 317-323	1.8	17
82	Interactive effects of nitrogen and phosphorus loadings on nutrient removal from simulated wastewater using <i>Schoenoplectus validus</i> in wetland microcosms. <i>Chemosphere</i> , 2008 , 72, 1823-8	8.4	26
81	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
80	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

79	Brassica genotypes differ in growth, phosphorus uptake and rhizosphere properties under P-limiting conditions. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 87-98	7.5	50
78	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
77	Increase in pH stimulates mineralization of native organic carbon and nitrogen in naturally salt-affected sandy soils. <i>Plant and Soil</i> , 2007 , 290, 269-282	4.2	36
76	Heterogeneous distribution of phosphorus and potassium in soil influences wheat growth and nutrient uptake. <i>Plant and Soil</i> , 2007 , 291, 301-309	4.2	26
75	Canola genotypes differ in potassium efficiency during vegetative growth. <i>Euphytica</i> , 2007 , 156, 387-397	2.1	36
74	Growth and resource allocation of <i>Canna indica</i> and <i>Schoenoplectus validus</i> as affected by interspecific competition and nutrient availability. <i>Hydrobiologia</i> , 2007 , 589, 235-248	2.4	20
73	Dynamics of Sodium in Saline and Sodic Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2007 , 38, 2077-2090	1.5	7
72	Wheat genotypes differ in potassium efficiency under glasshouse and field conditions. <i>Australian Journal of Agricultural Research</i> , 2007 , 58, 816		67
71	Ammonium and nitrate uptake by the floating plant <i>Landoltia punctata</i> . <i>Annals of Botany</i> , 2007 , 99, 365-370	1.0	72
70	Removal of nutrients from secondary-treated municipal wastewater in wetland microcosms using ornamental plant species. <i>International Journal of Environment and Waste Management</i> , 2007 , 1, 363	0.9	9
69	Spatial distribution of ammonium and nitrate fluxes along roots of wetland plants. <i>Plant Science</i> , 2007 , 173, 240-246	5.3	26
68	Cycling of Micronutrients in Terrestrial Ecosystems 2007 , 93-121		14
67	Reactive oxygen species production in wheat roots is not linked with changes in h fluxes during acidic and aluminium stresses. <i>Plant Signaling and Behavior</i> , 2006 , 1, 71-6	2.5	14
66	Rhizosphere Properties of Poaceae Genotypes Under P-limiting Conditions. <i>Plant and Soil</i> , 2006 , 283, 11-24	4.2	83
65	Microbial community composition and functioning in the rhizosphere of three <i>Banksia</i> species in native woodland in Western Australia. <i>Applied Soil Ecology</i> , 2005 , 28, 191-201	5	48
64	Nutrient availability and management in the rhizosphere: exploiting genotypic differences. <i>New Phytologist</i> , 2005 , 168, 305-12	9.8	319
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57	Root-induced acidification and excess cation uptake by N ₂ -fixing Lupinus albus grown in phosphorus-deficient soil. <i>Plant and Soil</i> , 2004 , 260, 69-77	4.2	35
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55	Aluminium cycling in the soil-plant-animal-human continuum. <i>BioMetals</i> , 2004 , 17, 669-89	3.4	81
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52	Modelling yield losses of aluminium-resistant and aluminium-sensitive wheat due to subsurface soil acidity: effects of rainfall, liming and nitrogen application. <i>Plant and Soil</i> , 2003 , 254, 349-360	4.2	30
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47	Genotypes of lucerne (Medicago sativa L.) show differential tolerance to manganese deficiency and toxicity when grown in bauxite residue sand. <i>Plant and Soil</i> , 2003 , 249, 287-296	4.2	23
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45	Role of dynamics of intracellular calcium in aluminium-toxicity syndrome. <i>New Phytologist</i> , 2003 , 159, 295-314	9.8	201
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40	Breeding for better symbiosis. <i>Plant and Soil</i> , 2002 , 245, 147-162	4.2	77
39	Genotypic differences in wheat for uptake and utilisation of P from iron phosphate. <i>Australian Journal of Agricultural Research</i> , 2002 , 53, 837		50
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