Alan

List of Publications by Year
in descending order

175 papers	15,477 citations	19657 61 h-index	19749 117 g-index
180 all docs	180 docs citations	180 times ranked	12721 citing authors

#	Article	IF	Citations
1	Acquisition of phosphorus and nitrogen in the rhizosphere and plant growth promotion by microorganisms. Plant and Soil, 2009, 321, 305-339.	3.7	1,391
2	Soil Microorganisms Mediating Phosphorus Availability Update on Microbial Phosphorus. Plant Physiology, 2011, 156, 989-996.	4.8	1,059
3	Plant and microbial strategies to improve the phosphorus efficiency of agriculture. Plant and Soil, 2011, 349, 121-156.	3.7	678
4	Network analysis reveals functional redundancy and keystone taxa amongst bacterial and fungal communities during organic matter decomposition in an arable soil. Soil Biology and Biochemistry, 2016, 97, 188-198.	8.8	617
5	Plant mechanisms to optimise access to soil phosphorus. Crop and Pasture Science, 2009, 60, 124.	1.5	367
6	Stable soil organic matter: A comparison of C:N:P:S ratios in Australian and other world soils. Geoderma, 2011, 163, 197-208.	5.1	350
7	Strategies and agronomic interventions to improve the phosphorus-use efficiency of farming systems. Plant and Soil, 2011, 349, 89-120.	3.7	343
8	Effects of selected root exudate components on soil bacterial communities. FEMS Microbiology Ecology, 2011, 77, 600-610.	2.7	316
9	Extracellular secretion of Aspergillus phytase from Arabidopsis roots enables plants to obtain phosphorus from phytate. Plant Journal, 2001, 25, 641-649.	5.7	310
10	Prospects for using soil microorganisms to improve the acquisition of phosphorus by plants. Functional Plant Biology, 2001, 28, 897.	2.1	298
11	Evolution of bacterial communities in the wheat crop rhizosphere. Environmental Microbiology, 2015, 17, 610-621.	3.8	297
12	Carbon-nutrient stoichiometry to increase soil carbon sequestration. Soil Biology and Biochemistry, 2013, 60, 77-86.	8.8	278
13	Nutrient availability limits carbon sequestration in arable soils. Soil Biology and Biochemistry, 2014, 68, 402-409.	8.8	240
14	A role for theAtMTP11gene of Arabidopsis in manganese transport and tolerance. Plant Journal, 2007, 51, 198-210.	5.7	235
15	Acid phosphomonoesterase and phytase activities of wheat (Triticum aestivum L.) roots and utilization of organic phosphorus substrates by seedlings grown in sterile culture. Plant, Cell and Environment, 2000, 23, 397-405.	5.7	224
16	Determinants of bacterial communities in <scp>C</scp>anadian agroforestry systems. Environmental Microbiology, 2016, 18, 1805-1816.	3.8	202
17	Soil isolates of <i>Pseudomonas</i> spp. that utilize inositol phosphates. Canadian Journal of Microbiology, 1997, 43, 509-516.	1.7	177
18	Components of organic phosphorus in soil extracts that are hydrolysed by phytase and acid phosphatase. Biology and Fertility of Soils, 2000, 32, 279-286.	4.3	177

#	Article	IF	Citations
19	Soil microbial biomass and the fate of phosphorus during long-term ecosystem development. Plant and Soil, 2013, 367, 225-234.	3.7	176
20	Title is missing!. Plant and Soil, 2001, 229, 47-56.	3.7	173
21	Impacts of Nitrogen and Phosphorus: From Genomes to Natural Ecosystems and Agriculture. Frontiers in Ecology and Evolution, 2017, 5, .	2.2	168
22	Network analysis reveals that bacteria and fungi form modules that correlate independently with soil parameters. Environmental Microbiology, 2015, 17, 2677-2689.	3.8	166
23	Long-term land use effects on soil microbial community structure and function. Applied Soil Ecology, 2011, 51, 66-78.	4.3	163
24	Transgenic barley (<i>Hordeum vulgare</i> L.) expressing the wheat aluminium resistance gene (<i>TaALMT1</i>) shows enhanced phosphorus nutrition and grain production when grown on an acid soil. Plant Biotechnology Journal, 2009, 7, 391-400.	8.3	149
25	Organic phosphorus in the terrestrial environment: a perspective on the state of the art and future priorities. Plant and Soil, 2018, 427, 191-208.	3.7	145
26	Characterization of promoter expression patterns derived from the Pht1 phosphate transporter genes of barley (Hordeum vulgare L.). Journal of Experimental Botany, 2004, 55, 855-865.	4.8	140
27	Life history determines biogeographical patterns of soil bacterial communities over multiple spatial scales. Molecular Ecology, 2010, 19, 4315-4327.	3.9	138
28	Expression of a fungal phytase gene in Nicotiana tabacum improves phosphorus nutrition of plants grown in amended soils. Plant Biotechnology Journal, 2005, 3, 129-140.	8.3	135
29	Land use and soil factors affecting accumulation of phosphorus species in temperate soils. Geoderma, 2015, 257-258, 29-39.	5.1	133
30	Promoter Analysis of the Barley Pht1;1 Phosphate Transporter Gene Identifies Regions Controlling Root Expression and Responsiveness to Phosphate Deprivation. Plant Physiology, 2004, 136, 4205-4214.	4.8	131
31	Transposon-Mediated Alteration of <i>TaMATE1B</i> Expression in Wheat Confers Constitutive Citrate Efflux from Root Apices. Plant Physiology, 2013, 161, 880-892.	4.8	127
32	Behaviour of plantâ€derived extracellular phytase upon addition to soil. Soil Biology and Biochemistry, 2005, 37, 977-988.	8.8	123
33	Interaction of phytases with minerals and availability of substrate affect the hydrolysis of inositol phosphates. Soil Biology and Biochemistry, 2010, 42, 491-498.	8.8	123
34	Title is missing!. Plant and Soil, 2000, 220, 165-174.	3.7	122
35	Linking fungalâ€“bacterial co-occurrences to soil ecosystem function. Current Opinion in Microbiology, 2017, 37, 135-141.	5.1	117
36	Characterization of transgenic Trifolium subterraneum L. which expresses phyA and releases extracellular phytase: growth and P nutrition in laboratory media and soil. Plant, Cell and Environment, 2004, 27, 1351-1361.	5.7	116

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37	Recovering Phosphorus from Soil: A Root Solution?. Environmental Science & Technology, 2012, 46, 1977-1978.	10.0	116
38	Phytase and acid phosphatase activities in extracts from roots of temperate pasture grass and legume seedlings. Functional Plant Biology, 1999, 26, 801.	2.1	114
39	Using organic phosphorus to sustain pasture productivity: A perspective. Geoderma, 2014, 221-222, 11-19.	5.1	111
40	Freeze/thaw protection of concrete with optimum rubber crumb content. Journal of Cleaner Production, 2012, 23, 96-103.	9.3	108
41	Root-specific and phosphate-regulated expression of phytase under the control of a phosphate transporter promoter enables Arabidopsis to grow on phytate as a sole P source. Plant Science, 2003, 165, 871-878.	3.6	102
42	Expression of Nodulation Genes in <i>Rhizobium leguminosarum</i> biovar <i>trifolii</i> Is Affected by Low pH and by Ca and Al Ions. Applied and Environmental Microbiology, 1988, 54, 2541-2548.	3.1	102
43	Identification of <i>scyllo</i>â€Inositol Phosphates in Soil by Solution Phosphorusâ€31 Nuclear Magnetic Resonance Spectroscopy. Soil Science Society of America Journal, 2004, 68, 802-808.	2.2	100
44	Depletion of organic phosphorus from Oxisols in relation to phosphatase activities in the rhizosphere. European Journal of Soil Science, 2006, 57, 47-57.	3.9	98
45	Phosphateâ€solubilising microorganisms for improved crop productivity: a critical assessment. New Phytologist, 2021, 229, 1268-1277.	7.3	98
46	Complex Forms of Soil Organic Phosphorusâ€"A Major Component of Soil Phosphorus. Environmental Science & Technology, 2015, 49, 13238-13245.	10.0	97
47	Differential interaction of Aspergillus niger and Peniophora lycii phytases with soil particles affects the hydrolysis of inositol phosphates. Soil Biology and Biochemistry, 2007, 39, 793-803.	8.8	94
48	Unwrapping the rhizosheath. Plant and Soil, 2017, 418, 129-139.	3.7	94
49	Utilization of soil organic phosphorus by higher plants.. , 2005, , 165-184.		93
50	HvALMT1 from barley is involved in the transport of organic anions. Journal of Experimental Botany, 2010, 61, 1455-1467.	4.8	92
51	Variation in root-associated phosphatase activities in wheat contributes to the utilization of organic P substrates in vitro, but does not explain differences in the P-nutrition of plants when grown in soils. Environmental and Experimental Botany, 2008, 64, 239-249.	4.2	90
52	Effects of pH, Ca and Al on the exudation from clover seedlings of compounds that induce the expression of nodulation genes inRhizobium trifolii. Plant and Soil, 1988, 109, 37-47.	3.7	89
53	Effect of lime on root growth, morphology and the rhizosheath of cereal seedlings growing in an acid soil. Plant and Soil, 2010, 327, 199-212.	3.7	84
54	Root morphology, root-hair development and rhizosheath formation on perennial grass seedlings is influenced by soil acidity. Plant and Soil, 2010, 335, 457-468.	3.7	83

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55	Differentiation of Rhizobium strains using the polymerase chain reaction with random and directed primers. Soil Biology and Biochemistry, 1995, 27, 515-524.	8.8	82
56	Effect of nitrogen and waterlogging on denitrifier gene abundance, community structure and activity in the rhizosphere of wheat. FEMS Microbiology Ecology, 2013, 83, 568-584.	2.7	81
57	Effect of soil acidity, soil strength and macropores on root growth and morphology of perennial grass species differing in acidâ€soil resistance. Plant, Cell and Environment, 2011, 34, 444-456.	5.7	77
58	Inorganic Nutrients Increase Humification Efficiency and C-Sequestration in an Annually Cropped Soil. PLoS ONE, 2016, 11, e0153698.	2.5	75
59	Can citrate efflux from roots improve phosphorus uptake by plants? Testing the hypothesis with nearâ€isogenic lines of wheat. Physiologia Plantarum, 2014, 151, 230-242.	5.2	71
60	Wildfire impact: Natural experiment reveals differential short-term changes in soil microbial communities. Soil Biology and Biochemistry, 2017, 109, 1-13.	8.8	68
61	Do longer root hairs improve phosphorus uptake? Testing the hypothesis with transgenic <i>Brachypodium distachyon</i> lines overexpressing endogenous <i><scp>RSL</scp></i> genes. New Phytologist, 2018, 217, 1654-1666.	7.3	68
62	Microorganisms and nutrient stoichiometry as mediators of soil organic matter dynamics. Nutrient Cycling in Agroecosystems, 2020, 117, 273-298.	2.2	68
63	Regulating the phosphorus nutrition of plants: molecular biology meeting agronomic needs. Plant and Soil, 2009, 322, 17-24.	3.7	65
64	Soil factors affecting the sustainability and productivity of perennial and annual pastures in the high rainfall zone of south-eastern Australia. Australian Journal of Experimental Agriculture, 2000, 40, 267.	1.0	63
65	Elevated atmospheric CO2 concentrations increase wheat root phosphatase activity when growth is limited by phosphorus. Functional Plant Biology, 1998, 25, 87.	2.1	62
66	Root morphological traits that determine phosphorus-acquisition efficiency and critical external phosphorus requirement in pasture species. Functional Plant Biology, 2016, 43, 815.	2.1	62
67	Enumeration and distribution of Rhizobium trifolii under a subterranean clover-based pasture growing in an acid soil. Soil Biology and Biochemistry, 1988, 20, 431-438.	8.8	59
68	Acid-tolerance and symbiotic effectiveness of Rhizobium trifolii associated with a Trifolium subterraneum L.-based pasture growing in an acid soil. Soil Biology and Biochemistry, 1989, 21, 87-96.	8.8	55
69	The influence of sampling strategies and spatial variation on the detected soil bacterial communities under three different land-use types. FEMS Microbiology Ecology, 2011, 78, 70-79.	2.7	55
70	Direct measurement of roots in soil for single and mixed species using a quantitative DNA-based method. Plant and Soil, 2011, 348, 123-137.	3.7	55
71	Management of soil phosphorus fertility determines the phosphorus budget of a temperate grazing system and is the key to improving phosphorus efficiency. Agriculture, Ecosystems and Environment, 2015, 212, 263-277.	5.3	55
72	Plant roots: understanding structure and function in an ocean of complexity. Annals of Botany, 2016, 118, 555-559.	2.9	55

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73	Variation in early phosphorus-uptake efficiency among wheat genotypes grown on two contrasting Australian soils. Australian Journal of Agricultural Research, 2008, 59, 157.	1.5	53
74	Pasture plants and soil fertility management to improve the efficiency of phosphorus fertiliser use in temperate grassland systems. Crop and Pasture Science, 2014, 65, 556.	1.5	53
75	Limitations to the Potential of Transgenic Trifolium subterraneum L. Plants that Exude Phytase when Grown in Soils with a Range of Organic P Content. Plant and Soil, 2005, 278, 263-274.	3.7	51
76	Potential and limitations to improving crops for enhanced phosphorus utilization. Plant Ecophysiology, 2008, , 247-270.	1.5	49
77	The inorganic nutrient cost of building soil carbon. Carbon Management, 2014, 5, 265-268.	2.4	49
78	Plant assimilation of phosphorus from an insoluble organic form is improved by addition of an organic anion producing Pseudomonas sp.. Soil Biology and Biochemistry, 2014, 68, 263-269.	8.8	48
79	Soil C and N as causal factors of spatial variation in extracellular enzyme activity across grassland-woodland ecotones. Applied Soil Ecology, 2016, 105, 1-8.	4.3	48
80	Construction of an Acid-Tolerant <i>Rhizobium leguminosarum</i> Biovar Trifolii Strain with Enhanced Capacity for Nitrogen Fixation. Applied and Environmental Microbiology, 1991, 57, 2005-2011.	3.1	47
81	Effects of altered citrate synthase and isocitrate dehydrogenase expression on internal citrate concentrations and citrate efflux from tobacco (Nicotiana tabacum L.) roots. Plant and Soil, 2003, 248, 137-144.	3.7	46
82	C/N Ratio Drives Soil Actinobacterial Cellobiohydrolase Gene Diversity. Applied and Environmental Microbiology, 2015, 81, 3016-3028.	3.1	46
83	Growth and root dry matter allocation by pasture legumes and a grass with contrasting external critical phosphorus requirements. Plant and Soil, 2016, 407, 67-79.	3.7	46
84	Extracellular release ofâ€ƒ a heterologous phytase from roots of transgenic plants: does manipulation of rhizosphere biochemistry impact microbial community structure?. FEMS Microbiology Ecology, 2009, 70, 433-445.	2.7	44
85	Manipulating exudate composition from root apices shapes the microbiome throughout the root system. Plant Physiology, 2021, 187, 2279-2295.	4.8	44
86	Accumulation and phosphatase-lability of organic phosphorus in fertilised pasture soils. Australian Journal of Agricultural Research, 2007, 58, 47.	1.5	43
87	In situ sampling of low molecular weight organic anions from rhizosphere of radiata pine (Pinus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.2	43
88	Bacterial community response to tillage and nutrient additions in a long-term wheat cropping experiment. Soil Biology and Biochemistry, 2013, 58, 281-292.	8.8	43
89	Localization of myo-inositol-1-phosphate synthase to the endosperm in developing seeds of Arabidopsis. Journal of Experimental Botany, 2008, 59, 3069-3076.	4.8	42
90	Rhizosphere microbial communities associated with Rhizoctonia damage at the field and disease patch scale. Applied Soil Ecology, 2014, 78, 37-47.	4.3	42

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91	Rhizosheaths on wheat grown in acid soils: phosphorus acquisition efficiency and genetic control. Journal of Experimental Botany, 2016, 67, 3709-3718.	4.8	42
92	Studies of the Physiological and Genetic Basis of Acid Tolerance in <i>Rhizobium leguminosarum</i> biovar trifolii. Applied and Environmental Microbiology, 1993, 59, 1798-1804.	3.1	42
93	Role of legacy phosphorus in improving global phosphorus-use efficiency. Environmental Development, 2013, 8, 147-148.	4.1	41
94	Bacterial community structure and detection of putative plant growth-promoting rhizobacteria associated with plants grown in Chilean agro-ecosystems and undisturbed ecosystems. Biology and Fertility of Soils, 2014, 50, 1141-1153.	4.3	41
95	Response-based selection of barley cultivars and legume species for complementarity: Root morphology and exudation in relation to nutrient source. Plant Science, 2017, 255, 12-28.	3.6	41
96	High turnover of extracellular matrix reflected by specific protein fragments measured in serum is associated with poor outcomes in two metastatic breast cancer cohorts. International Journal of Cancer, 2018, 143, 3027-3034.	5.1	41
97	Organic Anionâ€"Driven Solubilization of Precipitated and Sorbed Phytate Improves Hydrolysis by Phytases and Bioavailability to Nicotiana tabacum. Soil Science, 2012, 177, 591-598.	0.9	38
98	Rhizosphere carboxylates and morphological root traits in pasture legumes and grasses. Plant and Soil, 2016, 402, 77-89.	3.7	38
99	Variation in root traits associated with nutrient foraging among temperate pasture legumes and grasses. Grass and Forage Science, 2017, 72, 93-103.	2.9	38
100	Linking microbial coâ€occurrences to soil ecological processes across a woodlandâ€grassland ecotone. Ecology and Evolution, 2018, 8, 8217-8230.	1.9	38
101	An assessment of various measures of soil phosphorus and the net accumulation of phosphorus in fertilized soils under pasture. Journal of Plant Nutrition and Soil Science, 2015, 178, 543-554.	1.9	36
102	Characterisation of HvALMT1 function in transgenic barley plants. Functional Plant Biology, 2011, 38, 163.	2.1	35
103	Phosphorus acquisition by citrateâ€and phytaseâ€exuding <scp><i>Nicotiana tabacum</i></scp> plant mixtures depends on soil phosphorus availability and root intermingling. Physiologia Plantarum, 2018, 163, 356-371.	5.2	35
104	Differences in nutrient foraging among Trifolium subterraneum cultivars deliver improved P-acquisition efficiency. Plant and Soil, 2018, 424, 539-554.	3.7	34
105	Consequences of soil acidity and the effect of lime on the nodulation of Trifolium subterraneum L. Growing in an acid soil. Soil Biology and Biochemistry, 1988, 20, 439-445.	8.8	32
106	Damage to roots of <i>Trifolium subterraneum</i> L. (subterranean clover), failure of seedlings to establish and the presence of root pathogens during autumnâ€"winter. Grass and Forage Science, 2011, 66, 585-605.	2.9	30
107	Phytate addition to soil induces changes in the abundance and expression ofBacillusÃŸ-propeller phytase genes in the rhizosphere. FEMS Microbiology Ecology, 2013, 83, 352-360.	2.7	29
108	Phosphate Mobilisation by Soil Microorganisms. , 2015, , 225-234.		29

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109	Plant utilization of inositol phosphates.. , 2007, , 242-260.		29
110	High variation in the percentage of root length colonised by arbuscular mycorrhizal fungi among 139 lines representing the species subterranean clover (Trifolium subterraneum). Applied Soil Ecology, 2016, 98, 221-232.	4.3	28
111	The carboxylate composition of rhizosheath and root exudates from twelve species of grassland and crop legumes with special reference to the occurrence of citramalate. Plant and Soil, 2018, 424, 389-403.	3.7	28
112	Soil biodiversity and biogeochemical function in managed ecosystems. Soil Research, 2020, 58, 1.	1.1	28
113	The chemical nature of soil organic phosphorus: A critical review and global compilation of quantitative data. Advances in Agronomy, 2020, 160, 51-124.	5.2	27
114	Does the combination of citrate and phytase exudation in Nicotiana tabacum promote the acquisition of endogenous soil organic phosphorus?. Plant and Soil, 2017, 412, 43-59.	3.7	25
115	A sterile hydroponic system for characterising root exudates from specific root types and whole-root systems of large crop plants. Plant Methods, 2018, 14, 114.	4.3	25
116	Soil carbon sequestration to depth in response to long-term phosphorus fertilization of grazed pasture. Geoderma, 2019, 338, 226-235.	5.1	25
117	Land-use and management practices affect soil ammonia oxidiser community structure, activity and connectedness. Soil Biology and Biochemistry, 2014, 78, 138-148.	8.8	24
118	Isolation and assessment of microorganisms that utilize phytate.. , 0, , 61-77.		24
119	The fate of fertiliser P in soil under pasture and uptake by subterraneum clover â€“ a field study using 33P-labelled single superphosphate. Plant and Soil, 2016, 401, 23-38.	3.7	23
120	Drawing a Line: Grasses and Boundaries. Plants, 2019, 8, 4.	3.5	23
121	Identification of -Inositol Phosphates in Soil by Solution Phosphorus-31 Nuclear Magnetic Resonance Spectroscopy. Soil Science Society of America Journal, 2004, 68, 802.	2.2	23
122	Methanotrophic communities in Australian woodland soils of varying salinity. FEMS Microbiology Ecology, 2012, 80, 685-695.	2.7	22
123	Rhizosphere Microorganisms and Plant Phosphorus Uptake. Agronomy, 0, , 437-494.	0.2	21
124	Effects of Penicillium bilaii on maize growth are mediated by available phosphorus. Plant and Soil, 2018, 431, 159-173.	3.7	21
125	Microbial interkingdom associations across soil depths reveal network connectivity and keystone taxa linked to soil fine-fraction carbon content. Agriculture, Ecosystems and Environment, 2021, 320, 107559.	5.3	21
126	PCR as an ecological tool to determine the establishment and persistence of Rhizobium strains introduced into the field as seed inoculant Diane. Australian Journal of Agricultural Research, 1998, 49, 923.	1.5	21

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127	Investigation of organic anions in tree root exudates and rhizosphere microbial communities using in situ and destructive sampling techniques. Plant and Soil, 2012, 359, 149-163.	3.7	20
128	Root morphology acclimation to phosphorus supply by six cultivars of Trifolium subterraneum L. Plant and Soil, 2017, 412, 21-34.	3.7	19
129	The chemical nature of organic phosphorus that accumulates in fertilized soils of a temperate pasture as determined by solution31P NMR spectroscopy. Journal of Plant Nutrition and Soil Science, 2017, 180, 27-38.	1.9	19
130	Earthworm-induced shifts in microbial diversity in soils with rare versus established invasive earthworm populations. FEMS Microbiology Ecology, 2018, 94, .	2.7	19
131	Towards circular phosphorus: The need of inter- and transdisciplinary research to close the broken cycle. Ambio, 2022, 51, 611-622.	5.5	19
132	Root Exudates in Phosphorus Acquisition by Plants. , 2001, , 71-100.		19
133	Root morphology and its contribution to a large root system for phosphorus uptake by Rytidosperma species (wallaby grass). Plant and Soil, 2017, 412, 7-19.	3.7	18
134	Intrinsic capacity for nutrient foraging predicts critical external phosphorus requirement of 12 pasture legumes. Crop and Pasture Science, 2018, 69, 174.	1.5	17
135	Spectral sensitivity of solution 31P NMR spectroscopy is improved by narrowing the soil to solution ratio to 1:4 for pasture soils of low organic P content. Geoderma, 2015, 257-258, 48-57.	5.1	16
136	Expression of Nodulation Genes in Rhizobium and Acid-Sensitivity of Nodule Formation. Functional Plant Biology, 1989, 16, 117.	2.1	14
137	Interactions between phytases and soil constituents: implications for the hydrolysis of inositol phosphates.. , 0, , 221-241.		14
138	Persistence traits in perennial pasture grasses: the case of phalaris (Phalaris aquatica L.). Crop and Pasture Science, 2014, 65, 1165.	1.5	13
139	Soil nitrogen pools and turnover in native woodland and managed pasture soils. Soil Biology and Biochemistry, 2015, 85, 63-71.	8.8	13
140	Direct recovery of 33 P-labelled fertiliser phosphorus in subterranean clover (Trifolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (su Ecosystems and Environment, 2017, 246, 144-156.	5.3	13
141	Field application of a DNA-based assay to the measurement of roots of perennial grasses. Plant and Soil, 2012, 358, 183-199.	3.7	12
142	Linking the depletion of rhizosphere phosphorus to the heterologous expression of a fungal phytase in Nicotiana tabacum as revealed by enzyme-labile P and solution 31P NMR spectroscopy. Rhizosphere, 2017, 3, 82-91.	3.0	12
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145	The impact of sugarcane filter cake on the availability of P in the rhizosphere and associated microbial community structure. Soil Use and Management, 2019, 35, 334-345.	4.9	11
146	Organic anions facilitate the mobilization of soil organic phosphorus and its subsequent lability to phosphatases. Plant and Soil, 2022, 476, 161-180.	3.7	11
147	The role of gluconate production by <i>Pseudomonas</i> spp. in the mineralization and bioavailability of calciumâ€“phytate to <i>Nicotiana tabacum</i>. Canadian Journal of Microbiology, 2015, 61, 885-897.	1.7	10
148	Nomenclature and terminology of inositol phosphates: clarification and a glossary of terms.. , 2007, , 1-6.		10
149	Differential growth response of <i><scp>R</scp>ytidosperma</i> species (wallaby grass) to phosphorus application and its implications for grassland management. Grass and Forage Science, 2016, 71, 245-258.	2.9	9
150	A Self-Regulatory Intervention for Patients with Head and Neck Cancer: Pilot Randomized Trial. Annals of Behavioral Medicine, 2017, 51, 629-641.	2.9	9
151	Accurate measurement of resistant soil organic matter and its stoichiometry. European Journal of Soil Science, 2016, 67, 695-705.	3.9	8
152	Plants in constrained canopy micro-swards compensate for decreased root biomass and soil exploration with increased amounts of rhizosphere carboxylates. Functional Plant Biology, 2017, 44, 552.	2.1	8
153	Temperature related pull-out performance of chemical anchor bolts in fibre concrete. Construction and Building Materials, 2019, 196, 478-484.	7.2	8
154	Root Microbiome Structure and Microbial Succession in the Rhizosphere. Rhizosphere Biology, 2021, , 109-128.	0.6	8
155	Soil fertility and nutrients mediate soil carbon dynamics following residue incorporation. Nutrient Cycling in Agroecosystems, 2020, 116, 205-221.	2.2	7
156	Archaeal ammonia oxidizers respond to soil factors at smaller spatial scales than the overall archaeal community does in a high Arctic polar oasis. Canadian Journal of Microbiology, 2016, 62, 485-491.	1.7	6
157	Biotic strategies to increase plant availability of sewage sludge ash phosphorus. Journal of Plant Nutrition and Soil Science, 2019, 182, 175-186.	1.9	6
158	Critical phosphorus requirements of <scp><i>Trifolium</i></scp> species: The importance of root morphology and root acclimation in response to phosphorus stress. Physiologia Plantarum, 2021, 173, 1030-1047.	5.2	6
159	Tackling the phosphorus challenge: Time for reflection on three key limitations. Environmental Development, 2013, 8, 137-144.	4.1	5
160	Phosphorus-utilisation efficiency and leaf-morphology traits of Rytidosperma species (wallaby) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Botany, 2016, 64, 65.	0.6	5
161	Hydrophilic interaction liquid chromatography of hydroxy aromatic carboxylic acid positional isomers. Analytica Chimica Acta, 2017, 996, 98-105.	5.4	5
162	Carbon stability in a texture contrast soil in response to depth and long-term phosphorus fertilisation of grazed pasture. Soil Research, 2020, 58, 21.	1.1	5

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163	Phosphorus fertiliser value of sewage sludge ash applied to soils differing in phosphate buffering and phosphate sorption capacity. Nutrient Cycling in Agroecosystems, 2022, 124, 279-297.	2.2	5
164	Performance of dovetailed synthetic fibers in concrete. Emerging Materials Research, 2014, 3, 52-66.	0.7	4
165	Belowground solutions to global challenges: special issue from the 9th symposium of the International Society of Root Research. Plant and Soil, 2017, 412, 1-5.	3.7	4
166	Comparative effect of alternative fertilisers on pasture production, soil properties and soil microbial community structure. Crop and Pasture Science, 2019, 70, 1110.	1.5	4
167	Soil carbon dynamics following the transition of permanent pasture to cereal cropping: influence of initial soil fertility, lime application and nutrient addition. Crop and Pasture Science, 2020, 71, 23.	1.5	4
168	Litter decomposition and microbial communities alters depending on litter type and overstory species in revegetated agricultural land. Pedobiologia, 2021, 84, 150702.	1.2	3
169	Biological and morphological traits of sugarcane roots in relation to phosphorus uptake. Journal of Soil Science and Plant Nutrition, 2016, , 0-0.	3.4	2
170	Lime and Nutrient Addition Affects the Dynamics and Fractions of Soil Carbon in a Short-term Incubation Study With 13C-Labeled Wheat Straw. Soil Science, 2019, 184, 43-51.	0.9	2
171	A novel microcosm to identify inherently competitive microorganisms with the ability to mineralize phytate in solum. Soil Ecology Letters, 2021, 3, 367-382.	4.5	2
172	Soil organic matter in a stressed world. Soil Research, 2021, 59, i.	1.1	1
173	Gravel-associated organic material is important to quantify soil carbon and nitrogen stocks to depth in an agricultural cropping soil. Soil Research, 2021, , .	1.1	1
174	Localization of myo-inositol-1-phosphate synthase to the endosperm in developing seeds of Arabidopsis.. Journal of Experimental Botany, 2008, 59, 4059-4059.	4.8	0
175	Corrigendum to â€œMicellar liquid chromatography of terephthalic acid impuritiesâ€•[J. Chrom. A 1491 (2017) 67â€"74]. Journal of Chromatography A, 2017, 1516, 142.	3.7	0