

Hans Lambers

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.

587 papers	29,869 citations	86 h-index	149 g-index
630 ext. papers	34,715 ext. citations	5.7 avg, IF	7.48 L-index

#	Paper	IF	Citations
587	The mechanisms and potentially positive effects of seven years of delayed and wetter wet seasons on nitrous oxide fluxes in a tropical monsoon forest. <i>Geoderma</i> , 2022 , 412, 115740	6.7	0
586	Soil property determines the ability of rhizobial inoculation to enhance nitrogen fixation and phosphorus acquisition in soybean. <i>Applied Soil Ecology</i> , 2022 , 171, 104346	5	1
585	An integrated belowground trait-based understanding of nitrogen driven plant diversity loss.. <i>Global Change Biology</i> , 2022 ,	11.4	2
584	Phosphorus Acquisition and Utilization in Plants.. <i>Annual Review of Plant Biology</i> , 2021 ,	30.7	14
583	Linking root exudation to belowground economic traits for resource acquisition. <i>New Phytologist</i> , 2021 ,	9.8	5
582	Response to Zhong and Zhou: P-acquisition strategies and total soil C sequestration. <i>Trends in Ecology and Evolution</i> , 2021 ,	10.9	0
581	A starting guide to root ecology: strengthening ecological concepts and standardising root classification, sampling, processing and trait measurements. <i>New Phytologist</i> , 2021 , 232, 973-1122	9.8	31
580	Mobilization of soil phosphate after 8 years of warming is linked to plant phosphorus-acquisition strategies in an alpine meadow on the Qinghai-Tibetan Plateau. <i>Global Change Biology</i> , 2021 , 27, 6578-6591	11.4	6
579	Correlations between allocation to foliar phosphorus fractions and maintenance of photosynthetic integrity in six mangrove populations as affected by chilling. <i>New Phytologist</i> , 2021 , 232, 2267-2282	9.8	3
578	Biogeomorphological evolution of rocky hillslopes driven by roots in campos rupestres, Brazil. <i>Geomorphology</i> , 2021 , 395, 107985	4.3	0
577	Phosphorus toxicity, not deficiency, explains the calcifuge habit of phosphorus-efficient Proteaceae. <i>Physiologia Plantarum</i> , 2021 , 172, 1724-1738	4.6	0
576	Traits related to efficient acquisition and use of phosphorus promote diversification in Proteaceae in phosphorus-impooverished landscapes. <i>Plant and Soil</i> , 2021 , 462, 67-88	4.2	8
575	A shift from phenol to silica-based leaf defences during long-term soil and ecosystem development. <i>Ecology Letters</i> , 2021 , 24, 984-995	10	13
574	Lower seed P content does not affect early growth in chickpea, provided starter P fertiliser is supplied. <i>Plant and Soil</i> , 2021 , 463, 113-124	4.2	1
573	How does spatial micro-environmental heterogeneity influence seedling recruitment in ironstone outcrops?. <i>Journal of Vegetation Science</i> , 2021 , 32, e13010	3.1	
572	Changes in soil phosphorus fractions in response to long-term phosphate fertilization under sole cropping and intercropping of maize and faba bean on a calcareous soil. <i>Plant and Soil</i> , 2021 , 463, 589	4.2	1
571	Incorporating rock in surface covers improves the establishment of native pioneer vegetation on alkaline mine tailings. <i>Science of the Total Environment</i> , 2021 , 768, 145373	10.2	3

570	In addition to foliar manganese concentration, both iron and zinc provide proxies for rhizosheath carboxylates in chickpea under low phosphorus supply. <i>Plant and Soil</i> , 2021 , 465, 31-46	4.2	2
569	Calcicole-calcifuge plant strategies limit restoration potential in a regional semi-arid flora. <i>Ecology and Evolution</i> , 2021 , 11, 6941-6961	2.8	4
568	Novel Genes and Genetic Loci Associated With Root Morphological Traits, Phosphorus-Acquisition Efficiency and Phosphorus-Use Efficiency in Chickpea. <i>Frontiers in Plant Science</i> , 2021 , 12, 636973	6.2	4
567	Increase in leaf organic acids to enhance adaptability of dominant plant species in karst habitats. <i>Ecology and Evolution</i> , 2021 , 11, 10277-10289	2.8	1
566	Interactions between below-ground traits and rhizosheath fungal and bacterial communities for phosphorus acquisition. <i>Functional Ecology</i> , 2021 , 35, 1603-1619	5.6	3
565	Exceptional nitrogen-resorption efficiency enables Maireana species (Chenopodiaceae) to function as pioneers at a mine-restoration site. <i>Science of the Total Environment</i> , 2021 , 779, 146420	10.2	3
564	Formation of dauciform roots by Japanese native Cyperaceae and their contribution to phosphorus dynamics in soils. <i>Plant and Soil</i> , 2021 , 461, 107-118	4.2	2
563	Tradeoffs among phosphorus-acquisition root traits of crop species for agroecological intensification. <i>Plant and Soil</i> , 2021 , 461, 137-150	4.2	13
562	Soil-plant-atmosphere interactions: structure, function, and predictive scaling for climate change mitigation. <i>Plant and Soil</i> , 2021 , 461, 5-27	4.2	18
561	Compromised root development constrains the establishment potential of native plants in unamended alkaline post-mining substrates. <i>Plant and Soil</i> , 2021 , 461, 163-179	4.2	10
560	Nitrogen limitation and calcifuge plant strategies constrain the establishment of native vegetation on magnetite mine tailings. <i>Plant and Soil</i> , 2021 , 461, 181-201	4.2	9
559	Xylomelum occidentale (Proteaceae) accesses relatively mobile soil organic phosphorus without releasing carboxylates. <i>Journal of Ecology</i> , 2021 , 109, 246-259	6	12
558	Accumulation of phosphorus and calcium in different cells protects the phosphorus-hyperaccumulator Ptilotus exaltatus from phosphorus toxicity in high-phosphorus soils. <i>Chemosphere</i> , 2021 , 264, 128438	8.4	4
557	Phosphorus addition decreases microbial residual contribution to soil organic carbon pool in a tropical coastal forest. <i>Global Change Biology</i> , 2021 , 27, 454-466	11.4	21
556	Processes at the soil-root interface determine the different responses of nutrient limitation and metal toxicity in forbs and grasses to nitrogen enrichment. <i>Journal of Ecology</i> , 2021 , 109, 927-938	6	6
555	Revisiting mycorrhizal dogmas: Are mycorrhizas really functioning as they are widely believed to do?. <i>Soil Ecology Letters</i> , 2021 , 3, 73-82	2.7	11
554	Role of roots in adaptation of soil-indifferent Proteaceae to calcareous soils in south-western Australia. <i>Journal of Experimental Botany</i> , 2021 , 72, 1490-1505	7	2
553	A significant increase in rhizosheath carboxylates and greater specific root length in response to terminal drought is associated with greater relative phosphorus acquisition in chickpea. <i>Plant and Soil</i> , 2021 , 460, 51-68	4.2	6

552	Contrasting phosphorus sensitivity of two Australian native monocots adapted to different habitats. <i>Plant and Soil</i> , 2021 , 461, 151-162	4.2	2
551	Addition of nitrogen to canopy versus understorey has different effects on leaf traits of understorey plants in a subtropical evergreen broad-leaved forest. <i>Journal of Ecology</i> , 2021 , 109, 692-702	6	4
550	Leaf manganese concentrations as a tool to assess belowground plant functioning in phosphorus-impooverished environments. <i>Plant and Soil</i> , 2021 , 461, 43-61	4.2	23
549	Root positioning and trait shifts in <i>Hibbertia racemosa</i> as dependent on its neighbour's nutrient-acquisition strategy. <i>Plant, Cell and Environment</i> , 2021 , 44, 1257-1267	8.4	4
548	No evidence of regulation in root-mediated iron reduction in two Strategy I cluster-rooted <i>Banksia</i> species (Proteaceae). <i>Plant and Soil</i> , 2021 , 461, 203-218	4.2	1
547	Phosphorus and selenium uptake, root morphology, and carboxylates in the rhizosheath of alfalfa (<i>Medicago sativa</i>) as affected by localised phosphate and selenite supply in a split-root system. <i>Functional Plant Biology</i> , 2021 , 48, 1161-1174	2.7	1
546	Effects of oxytetracycline on plant growth, phosphorus uptake, and carboxylates in the rhizosheath of alfalfa. <i>Plant and Soil</i> , 2021 , 461, 501-515	4.2	1
545	Delayed greening in phosphorus-efficient <i>Hakea prostrata</i> (Proteaceae) is a photoprotective and nutrient-saving strategy. <i>Functional Plant Biology</i> , 2021 , 48, 218-230	2.7	1
544	Ecophysiological Performance of Proteaceae Species From Southern South America Growing on Substrates Derived From Young Volcanic Materials. <i>Frontiers in Plant Science</i> , 2021 , 12, 636056	6.2	2
543	Foliar nutrient allocation patterns in <i>Banksia attenuata</i> and <i>Banksia sessilis</i> differing in growth rate and adaptation to low-phosphorus habitats. <i>Annals of Botany</i> , 2021 , 128, 419-430	4.1	4
542	Rhizosphere 'Trade' Is an Unnecessary Analogy: Response to No N . <i>Trends in Ecology and Evolution</i> , 2021 , 36, 176-177	10.9	2
541	Faster recovery of soil biodiversity in native species mixture than in Eucalyptus monoculture after 60 years afforestation in tropical degraded coastal terraces. <i>Global Change Biology</i> , 2021 , 27, 5329-5340	11.4	1
540	Critical phosphorus requirements of <i>Trifolium</i> species: The importance of root morphology and root acclimation in response to phosphorus stress. <i>Physiologia Plantarum</i> , 2021 , 173, 1030-1047	4.6	1
539	Silicon mobilisation by root-released carboxylates. <i>Trends in Plant Science</i> , 2021 , 26, 1116-1125	13.1	7
538	Belowground facilitation and trait matching: two or three to tango?. <i>Trends in Plant Science</i> , 2021 , 26, 1227-1235	13.1	13
537	Soil microbial communities are driven by the declining availability of cations and phosphorus during ecosystem retrogression. <i>Soil Biology and Biochemistry</i> , 2021 , 163, 108430	7.5	0
536	The pervasive use of P_2O_5 , K_2O , CaO , MgO and other molecules that do not exist in soil or fertiliser bags. <i>New Phytologist</i> , 2021 , 232, 1901-1903	9.8	0
535	Desiccation tolerance implies costs to productivity but allows survival under extreme drought conditions in <i>Velloziaceae</i> species in campos rupestres. <i>Environmental and Experimental Botany</i> , 2021 , 189, 104556	5.9	0

534	Response of foliar mineral nutrients to long-term nitrogen and phosphorus addition in a tropical forest. <i>Functional Ecology</i> , 2021 , 35, 2329	5.6	1
533	Impact of ecosystem water balance and soil parent material on silicon dynamics: insights from three long-term chronosequences. <i>Biogeochemistry</i> , 2021 , 156, 335	3.8	0
532	Initiating pedogenesis of magnetite tailings using <i>Lupinus angustifolius</i> (narrow-leaf lupin) as an ecological engineer to promote native plant establishment. <i>Science of the Total Environment</i> , 2021 , 788, 147622	10.2	0
531	Effects of elevated CO concentration and nitrogen addition on foliar phosphorus fractions of <i>Mikania micranatha</i> and <i>Chromolaena odorata</i> under low phosphorus availability. <i>Physiologia Plantarum</i> , 2021 , 173, 2068-2080	4.6	0
530	AusTraits, a curated plant trait database for the Australian flora. <i>Scientific Data</i> , 2021 , 8, 254	8.2	6
529	Plant phosphorus-acquisition and -use strategies affect soil carbon cycling. <i>Trends in Ecology and Evolution</i> , 2021 , 36, 899-906	10.9	16
528	Soil phosphorus availability affects diazotroph communities during vegetation succession in lowland subtropical forests. <i>Applied Soil Ecology</i> , 2021 , 166, 104009	5	4
527	The relative contribution of indigenous and introduced arbuscular mycorrhizal fungi and rhizobia to plant nutrient acquisition in soybean/maize intercropping in unsterilized soils. <i>Applied Soil Ecology</i> , 2021 , 168, 104124	5	1
526	Climatic and edaphic controls over the elevational pattern of microbial necromass in subtropical forests. <i>Catena</i> , 2021 , 207, 105707	5.8	1
525	Strong phosphorus (P)-zinc (Zn) interactions in a calcareous soil-alfalfa system suggest that rational P fertilization should be considered for Zn biofortification on Zn-deficient soils and phytoremediation of Zn-contaminated soils. <i>Plant and Soil</i> , 2021 , 461, 119-134	4.2	12
524	OCBIL theory examined: reassessing evolution, ecology and conservation in the world's ancient, climatically buffered and infertile landscapes. <i>Biological Journal of the Linnean Society</i> , 2021 , 133, 266-296	10.9	12
523	Below-ground-mediated and phase-dependent processes drive nitrogen-evoked community changes in grasslands. <i>Journal of Ecology</i> , 2020 , 108, 1874-1887	6	14
522	Tightening the Phosphorus Cycle through Phosphorus-Efficient Crop Genotypes. <i>Trends in Plant Science</i> , 2020 , 25, 967-975	13.1	38
521	Soybean (<i>Glycine max</i> (L.) Merrill) intercropping with reduced nitrogen input influences rhizosphere phosphorus dynamics and phosphorus acquisition of sugarcane (<i>Saccharum officinarum</i>). <i>Biology and Fertility of Soils</i> , 2020 , 56, 1063-1075	6.1	7
520	Release of tartrate as a major carboxylate by alfalfa (<i>Medicago sativa</i> L.) under phosphorus deficiency and the effect of soil nitrogen supply. <i>Plant and Soil</i> , 2020 , 449, 169-178	4.2	13
519	Silicon Dynamics During 2 Million Years of Soil Development in a Coastal Dune Chronosequence Under a Mediterranean Climate. <i>Ecosystems</i> , 2020 , 23, 1614-1630	3.9	13
518	Vellozioid roots allow for habitat specialization among rock- and soil-dwelling Velloziaceae in campos rupestres. <i>Functional Ecology</i> , 2020 , 34, 442-457	5.6	13
517	Changes in soil phosphorus fractions following sole cropped and intercropped maize and faba bean grown on calcareous soil. <i>Plant and Soil</i> , 2020 , 448, 587-601	4.2	13

516	Phosphorus facilitation and covariation of root traits in steppe species. <i>New Phytologist</i> , 2020 , 226, 1285-1298	3.0	30
515	Contrasting patterns in biomass allocation, root morphology and mycorrhizal symbiosis for phosphorus acquisition among 20 chickpea genotypes with different amounts of rhizosheath carboxylates. <i>Functional Ecology</i> , 2020 , 34, 1311-1324	5.6	13
514	Amending aeolian sandy soil in the Mu Us Sandy Land of China with Pisha sandstone and increasing phosphorus supply were more effective than increasing water supply for improving plant growth and phosphorus and nitrogen nutrition of lucerne (<i>Medicago sativa</i>). <i>Crop and Pasture Science</i> , 2020 , 71, 785	2.2	0
513	Mulling over the mulla mullas: revisiting phosphorus hyperaccumulation in the Australian plant genus <i>Ptilotus</i> (Amaranthaceae). <i>Australian Journal of Botany</i> , 2020 , 68, 63	1.2	3
512	Performance of two <i>Lupinus albus</i> L. cultivars in response to three soil pH levels. <i>Experimental Agriculture</i> , 2020 , 56, 321-330	1.7	2
511	Linking shifts in species composition induced by grazing with root traits for phosphorus acquisition in a typical steppe in Inner Mongolia. <i>Science of the Total Environment</i> , 2020 , 712, 136495	10.2	17
510	In the beginning, there was only bare regolith. When some plants arrived and changed the regolith. <i>Journal of Plant Ecology</i> , 2020 , 13, 511-516	1.7	8
509	Edaphic niche characterization of four Proteaceae reveals unique calcicole physiology linked to hyper-endemism of <i>Grevillea thelemanniana</i> . <i>New Phytologist</i> , 2020 , 228, 869-883	9.8	5
508	Towards more sustainable cropping systems: lessons from native Cerrado species. <i>Theoretical and Experimental Plant Physiology</i> , 2020 , 32, 175-194	2.4	6
507	Surplus Carbon Drives Allocation and Plant-Soil Interactions. <i>Trends in Ecology and Evolution</i> , 2020 , 35, 1110-1118	10.9	52
506	Plants sustain the terrestrial silicon cycle during ecosystem retrogression. <i>Science</i> , 2020 , 369, 1245-1248	33.3	27
505	The influence of soil age on ecosystem structure and function across biomes. <i>Nature Communications</i> , 2020 , 11, 4721	17.4	19
504	The potential for phosphorus benefits through root placement in the rhizosphere of phosphorus-mobilising neighbours. <i>Oecologia</i> , 2020 , 193, 843-855	2.9	4
503	Targeting Low-Phytate Soybean Genotypes Without Compromising Desirable Phosphorus-Acquisition Traits. <i>Frontiers in Genetics</i> , 2020 , 11, 574547	4.5	2
502	Exogenous Calcium Alleviates Nocturnal Chilling-Induced Feedback Inhibition of Photosynthesis by Improving Sink Demand in Peanut (). <i>Frontiers in Plant Science</i> , 2020 , 11, 607029	6.2	5
501	Effects of pH and bicarbonate on the nutrient status and growth of three <i>Lupinus</i> species. <i>Plant and Soil</i> , 2020 , 447, 9-28	4.2	10
500	Root-released organic anions in response to low phosphorus availability: recent progress, challenges and future perspectives. <i>Plant and Soil</i> , 2020 , 447, 135-156	4.2	69
499	Differences in investment and functioning of cluster roots account for different distributions of <i>Banksia attenuata</i> and <i>B. sessilis</i> , with contrasting life history. <i>Plant and Soil</i> , 2020 , 447, 85-98	4.2	10

498	Phosphorus-fertilisation has differential effects on leaf growth and photosynthetic capacity of <i>Arachis hypogaea</i> L.. <i>Plant and Soil</i> , 2020 , 447, 99-116	4.2	18
497	Leaf Phosphorus Concentration Regulates the Development of Cluster Roots and Exudation of Carboxylates in. <i>Frontiers in Plant Science</i> , 2020 , 11, 610591	6.2	2
496	Floral micromorphology and nectar composition of the early evolutionary lineage <i>Utricularia</i> (subgenus <i>Polypompholyx</i> , <i>Lentibulariaceae</i>). <i>Protoplasma</i> , 2019 , 256, 1531-1543	3.4	5
495	The application potential of coal fly ash for selenium biofortification. <i>Advances in Agronomy</i> , 2019 , 157, 1-54	7.7	7
494	Do cluster roots of red alder play a role in nutrient acquisition from bedrock?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11575-11576	11.5	7
493	Responses of foliar phosphorus fractions to soil age are diverse along a 2Myr dune chronosequence. <i>New Phytologist</i> , 2019 , 223, 1621-1633	9.8	16
492	Trait convergence in photosynthetic nutrient-use efficiency along a 2-million year dune chronosequence in a global biodiversity hotspot. <i>Journal of Ecology</i> , 2019 , 107, 2006-2023	6	19
491	Specialized roots of <i>Velloziaceae</i> weather quartzite rock while mobilizing phosphorus using carboxylates. <i>Functional Ecology</i> , 2019 , 33, 762-773	5.6	23
490	Changes in belowground biodiversity during ecosystem development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6891-6896	11.5	78
489	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
488	Strong host specificity of a root hemi-parasite (<i>Santalum acuminatum</i>) limits its local distribution: beggars can be choosers. <i>Plant and Soil</i> , 2019 , 437, 159-177	4.2	8
487	Globular structures in roots accumulate phosphorus to extremely high concentrations following phosphorus addition. <i>Plant, Cell and Environment</i> , 2019 , 42, 1987-2002	8.4	4
486	The effect of pH on morphological and physiological root traits of <i>Lupinus angustifolius</i> treated with struvite as a recycled phosphorus source. <i>Plant and Soil</i> , 2019 , 434, 65-78	4.2	24
485	Response of phosphorus dynamics to sewage sludge application in an agroecosystem in northern France. <i>Applied Soil Ecology</i> , 2019 , 137, 178-186	5	24
484	Supplementary Calcium Restores Peanut () Growth and Photosynthetic Capacity Under Low Nocturnal Temperature. <i>Frontiers in Plant Science</i> , 2019 , 10, 1637	6.2	13
483	Is pH the key reason why some <i>Lupinus</i> species are sensitive to calcareous soil?. <i>Plant and Soil</i> , 2019 , 434, 185-201	4.2	7
482	Biotic and abiotic plant-soil feedback depends on nitrogen-acquisition strategy and shifts during long-term ecosystem development. <i>Journal of Ecology</i> , 2019 , 107, 142-153	6	22
481	Analysing Cell Level Allocation of Calcium and Phosphorus in Leaves of <i>Proteaceae</i> from South-Western Australia. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1080-1081	0.5	

480	Microbiomes of Velloziaceae from phosphorus-impooverished soils of the campos rupestres, a biodiversity hotspot. <i>Scientific Data</i> , 2019 , 6, 140	8.2	3
479	Global ecological predictors of the soil priming effect. <i>Nature Communications</i> , 2019 , 10, 3481	17.4	56
478	Calcium modulates leaf cell-specific phosphorus allocation in Proteaceae from south-western Australia. <i>Journal of Experimental Botany</i> , 2019 , 70, 3995-4009	7	18
477	Phosphorus-acquisition strategies of canola, wheat and barley in soil amended with sewage sludges. <i>Scientific Reports</i> , 2019 , 9, 14878	4.9	23
476	Field benchmarking of the critical external phosphorus requirements of pasture legumes for southern Australia. <i>Crop and Pasture Science</i> , 2019 , 70, 1080	2.2	16
475	Biotic Influences: Symbiotic Associations 2019 , 487-540		
474	Growth and Allocation 2019 , 385-449		1
473	Biotic Influences: Interactions Among Plants 2019 , 615-648		
472	Introduction: History, Assumptions, and Approaches 2019 , 1-10		1
471	Biotic Influences: Carnivory 2019 , 649-664		
470	Role in Ecosystem and Global Processes: Decomposition 2019 , 665-676		
469	Life Cycles: Environmental Influences and Adaptations 2019 , 451-486		1
468	Biotic Influences: Effects of Microbial Pathogens 2019 , 583-595		
467	Scaling-Up Gas Exchange and Energy Balance from the Leaf to the Canopy Level 2019 , 291-300		
466	Biotic Influences: Parasitic Associations 2019 , 597-613		2
465	Photosynthesis, Respiration, and Long-Distance Transport: Photosynthesis 2019 , 11-114		2
464	Photosynthesis, Respiration, and Long-Distance Transport: Respiration 2019 , 115-172		1
463	Plant Water Relations 2019 , 187-263		7

462	Plant Energy Budgets: The Plant Energy Balance 2019 , 265-278		1
461	Mineral Nutrition 2019 , 301-384		8
460	Plant Physiological Ecology 2019 ,		46
459	Floral micromorphology of the bird-pollinated carnivorous plant species <i>Utricularia menziesii</i> R.Br. (Lentibulariaceae). <i>Annals of Botany</i> , 2019 , 123, 213-220	4.1	6
458	Soil types select for plants with matching nutrient-acquisition and -use traits in hyperdiverse and severely nutrient-impooverished campos rupestres and cerrado in Central Brazil. <i>Journal of Ecology</i> , 2019 , 107, 1302-1316	6	33
457	Hidden miners II the roles of cover crops and soil microorganisms in phosphorus cycling through agroecosystems. <i>Plant and Soil</i> , 2019 , 434, 7-45	4.2	91
456	Foliar phosphorus fractions reveal how tropical plants maintain photosynthetic rates despite low soil phosphorus availability. <i>Functional Ecology</i> , 2019 , 33, 503-513	5.6	42
455	How Does Evolution in Phosphorus-Impoverished Landscapes Impact Plant Nitrogen and Sulfur Assimilation?. <i>Trends in Plant Science</i> , 2019 , 24, 69-82	13.1	29
454	Calcium-enhanced phosphorus toxicity in calcifuge and soil-indifferent Proteaceae along the Jurien Bay chronosequence. <i>New Phytologist</i> , 2019 , 221, 764-777	9.8	26
453	Nodulation promotes cluster-root formation in <i>Lupinus albus</i> under low phosphorus conditions. <i>Plant and Soil</i> , 2019 , 439, 233-242	4.2	4
452	Contrasting communities of arbuscule-forming root symbionts change external critical phosphorus requirements of some annual pasture legumes. <i>Applied Soil Ecology</i> , 2018 , 126, 88-97	5	8
451	Sensitivity of different <i>Lupinus</i> species to calcium under a low phosphorus supply. <i>Plant, Cell and Environment</i> , 2018 , 41, 1512-1523	8.4	12
450	Molecular mechanisms underpinning phosphorus-use efficiency in rice. <i>Plant, Cell and Environment</i> , 2018 , 41, 1483-1496	8.4	33
449	Effects of calcium and its interaction with phosphorus on the nutrient status and growth of three <i>Lupinus</i> species. <i>Physiologia Plantarum</i> , 2018 , 163, 386	4.6	4
448	Eudicots from severely phosphorus-impooverished environments preferentially allocate phosphorus to their mesophyll. <i>New Phytologist</i> , 2018 , 218, 959-973	9.8	34
447	Phosphorus concentration coordinates a respiratory bypass, synthesis and exudation of citrate, and the expression of high-affinity phosphorus transporters in <i>Solanum lycopersicum</i> . <i>Plant, Cell and Environment</i> , 2018 , 41, 865-875	8.4	15
446	Phosphorus- and nitrogen-acquisition strategies in two <i>Bossiaea</i> species (Fabaceae) along retrogressive soil chronosequences in south-western Australia. <i>Physiologia Plantarum</i> , 2018 , 163, 323	4.6	14
445	An In Vivo Perspective of the Role(s) of the Alternative Oxidase Pathway. <i>Trends in Plant Science</i> , 2018 , 23, 206-219	13.1	90

444	Leaf transpiration plays a role in phosphorus acquisition among a large set of chickpea genotypes. <i>Plant, Cell and Environment</i> , 2018 , 41, 2069-2079	8.4	26
443	The carboxylate composition of rhizosheath and root exudates from twelve species of grassland and crop legumes with special reference to the occurrence of citramalate. <i>Plant and Soil</i> , 2018 , 424, 389-403	4.2	20
442	Differences in nutrient foraging among <i>Trifolium subterraneum</i> cultivars deliver improved P-acquisition efficiency. <i>Plant and Soil</i> , 2018 , 424, 539-554	4.2	22
441	Costs of acquiring phosphorus by vascular land plants: patterns and implications for plant coexistence. <i>New Phytologist</i> , 2018 , 217, 1420-1427	9.8	89
440	Proteaceae from phosphorus-impooverished habitats preferentially allocate phosphorus to photosynthetic cells: An adaptation improving phosphorus-use efficiency. <i>Plant, Cell and Environment</i> , 2018 , 41, 605-619	8.4	49
439	Root dynamics and survival in a nutrient-poor and species-rich woodland under a drying climate. <i>Plant and Soil</i> , 2018 , 424, 91-102	4.2	3
438	How belowground interactions contribute to the coexistence of mycorrhizal and non-mycorrhizal species in severely phosphorus-impooverished hyperdiverse ecosystems. <i>Plant and Soil</i> , 2018 , 424, 11-33	4.2	100
437	Nutrient resorption from senescing leaves of epiphytes, hemiparasites and their hosts in tropical forests of Sri Lanka. <i>Journal of Plant Ecology</i> , 2018 , 11, 815-826	1.7	3
436	Reassessing protocarnivory [how hungry are triggerplants?]. <i>Australian Journal of Botany</i> , 2018 , 66, 325	1.2	2
435	Mineral Nutrition of Plants in Australia's Arid Zone 2018 , 77-102		
434	Intrinsic capacity for nutrient foraging predicts critical external phosphorus requirement of 12 pasture legumes. <i>Crop and Pasture Science</i> , 2018 , 69, 174	2.2	15
433	Mechanism of arsenic uptake, translocation and plant resistance to accumulate arsenic in rice grains. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 253, 23-37	5.7	77
432	High abundance of non-mycorrhizal plant species in severely phosphorus-impooverished Brazilian campos rupestres. <i>Plant and Soil</i> , 2018 , 424, 255-271	4.2	20
431	Metabolic Adaptations of the Non-Mycotrophic Proteaceae to Soils with Low Phosphorus Availability 2018 , 289-335		1
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429	Phosphorus: Back to the Roots 2018 , 3-22		13
428	Understanding the long-term impact of prescribed burning in mediterranean-climate biodiversity hotspots, with a focus on south-western Australia. <i>International Journal of Wildland Fire</i> , 2018 , 27, 643	3.2	18
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424	Phosphorus acquisition and utilisation in crop legumes under global change. <i>Current Opinion in Plant Biology</i> , 2018 , 45, 248-254	9.9	32
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422	Root morphology acclimation to phosphorus supply by six cultivars of <i>Trifolium subterraneum</i> L. <i>Plant and Soil</i> , 2017 , 412, 21-34	4.2	12
421	Variation in root traits associated with nutrient foraging among temperate pasture legumes and grasses. <i>Grass and Forage Science</i> , 2017 , 72, 93-103	2.3	33
420	Arbuscular mycorrhizal fungus colonization in <i>Nicotiana tabacum</i> decreases the rate of both carboxylate exudation and root respiration and increases plant growth under phosphorus limitation. <i>Plant and Soil</i> , 2017 , 416, 97-106	4.2	22
419	Greater root phosphatase activity in nitrogen-fixing rhizobial but not actinorhizal plants with declining phosphorus availability. <i>Journal of Ecology</i> , 2017 , 105, 1246-1255	6	41
418	Plant Functional Traits: Soil and Ecosystem Services. <i>Trends in Plant Science</i> , 2017 , 22, 385-394	13.1	203
417	Plants in constrained canopy micro-swards compensate for decreased root biomass and soil exploration with increased amounts of rhizosphere carboxylates. <i>Functional Plant Biology</i> , 2017 , 44, 552-562	2.7	7
416	Growth, morphological and physiological responses of alfalfa (<i>Medicago sativa</i>) to phosphorus supply in two alkaline soils. <i>Plant and Soil</i> , 2017 , 416, 565-584	4.2	27
415	Pronounced surface stratification of soil phosphorus, potassium and sulfur under pastures upstream of a eutrophic wetland and estuarine system. <i>Soil Research</i> , 2017 , 55, 657	1.8	4
414	Peppermint trees shift their phosphorus-acquisition strategy along a strong gradient of plant-available phosphorus by increasing their transpiration at very low phosphorus availability. <i>Oecologia</i> , 2017 , 185, 387-400	2.9	24
413	Young calcareous soil chronosequences as a model for ecological restoration on alkaline mine tailings. <i>Science of the Total Environment</i> , 2017 , 607-608, 168-175	10.2	31
412	Tight control of sulfur assimilation: an adaptive mechanism for a plant from a severely phosphorus-impooverished habitat. <i>New Phytologist</i> , 2017 , 215, 1068-1079	9.8	10
411	Incorporation of dolomite reduces iron toxicity, enhances growth and yield, and improves phosphorus and potassium nutrition in lowland rice (<i>Oryza sativa</i> L). <i>Plant and Soil</i> , 2017 , 410, 299-312	4.2	20
410	Native soilborne pathogens equalize differences in competitive ability between plants of contrasting nutrient-acquisition strategies. <i>Journal of Ecology</i> , 2017 , 105, 549-557	6	37
409	Root morphology and its contribution to a large root system for phosphorus uptake by <i>Rytidosperma</i> species (wallaby grass). <i>Plant and Soil</i> , 2017 , 412, 7-19	4.2	11

408	Inoculation with <i>Azospirillum brasilense</i> (Ab-V4, Ab-V5) increases <i>Zea mays</i> root carboxylate-exudation rates, dependent on soil phosphorus supply. <i>Plant and Soil</i> , 2017 , 410, 499-507	4.2	15
407	Cluster-root formation and carboxylate release in <i>Euplassa cantareirae</i> (Proteaceae) from a neotropical biodiversity hotspot. <i>Plant and Soil</i> , 2016 , 403, 267-275	4.2	12
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402	Rhizosphere carboxylates and morphological root traits in pasture legumes and grasses. <i>Plant and Soil</i> , 2016 , 402, 77-89	4.2	31
401	Growth and root dry matter allocation by pasture legumes and a grass with contrasting external critical phosphorus requirements. <i>Plant and Soil</i> , 2016 , 407, 67-79	4.2	33
400	Ecology and evolution of plant diversity in the endangered campo rupestre: a neglected conservation priority. <i>Plant and Soil</i> , 2016 , 403, 129-152	4.2	321
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396	Genetic delineation of local provenance defines seed collection zones along a climate gradient. <i>AOB PLANTS</i> , 2016 , 8,	2.9	5
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389	Differentiating phosphate-dependent and phosphate-independent systemic phosphate-starvation response networks in <i>Arabidopsis thaliana</i> through the application of phosphite. <i>Journal of Experimental Botany</i> , 2015 , 66, 2501-14	7	49
388	Advances and Perspectives to Improve the Phosphorus Availability in Cropping Systems for Agroecological Phosphorus Management. <i>Advances in Agronomy</i> , 2015 , 134, 51-79	7.7	46
387	Metabolomics of plant phosphorus-starvation response 2015 , 215-236		
386	Membrane remodelling in phosphorus-deficient plants 2015 , 237-263		11
385	The Role of Intracellular and Secreted Purple Acid Phosphatases in Plant Phosphorus Scavenging and Recycling 2015 , 265-287		14
384	Metabolic Adaptations of the Non-Mycotrophic Proteaceae to Soils With Low Phosphorus Availability 2015 , 289-335		25
383	Algae in a phosphorus-limited landscape 2015 , 337-374		3
382	Impact of roots, microorganisms and microfauna on the fate of soil phosphorus in the rhizosphere 2015 , 375-407		13
381	Mycorrhizal associations and phosphorus acquisition: from cells to ecosystems 2015 , 409-439		28
380	Phosphorus: Back to the Roots 2015 , 1-22		21
379	Sensing, signalling, and CONTROL of phosphate starvation in plants: molecular players and applications 2015 , 23-63		7
378	omics Approaches Towards Understanding Plant Phosphorus Acquisition and Use 2015 , 65-97		6
377	The Role of Post-Translational Enzyme Modifications in the Metabolic Adaptations of Phosphorus-Deprived Plants 2015 , 99-123		3
376	Phosphate Transporters 2015 , 125-158		10
375	Molecular Components that Drive Phosphorus-Remobilisation During Leaf Senescence 2015 , 159-186		6
374	Interactions between Nitrogen and Phosphorus metabolism 2015 , 187-214		4
373	Plant adaptations to severely phosphorus-impovertished soils. <i>Current Opinion in Plant Biology</i> , 2015 , 25, 23-31	9.9	116

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368	Interactions among cluster-root investment, leaf phosphorus concentration, and relative growth rate in two <i>Lupinus</i> species. <i>American Journal of Botany</i> , 2015 , 102, 1529-37	2.7	2
367	Mineral nutrition of campos rupestres plant species on contrasting nutrient-impooverished soil types. <i>New Phytologist</i> , 2015 , 205, 1183-1194	9.8	118
366	Leaf manganese accumulation and phosphorus-acquisition efficiency. <i>Trends in Plant Science</i> , 2015 , 20, 83-90	13.1	166
365	Phosphorus recycling in photorespiration maintains high photosynthetic capacity in woody species. <i>Plant, Cell and Environment</i> , 2015 , 38, 1142-56	8.4	59
364	Phosphorus nutrition in Proteaceae and beyond. <i>Nature Plants</i> , 2015 , 1, 15109	11.5	85
363	A Multiscale Approach to Understanding Calcium Toxicity in Australian Proteaceae. <i>Microscopy and Microanalysis</i> , 2015 , 21, 1489-1490	0.5	
362	The rise and fall of arbuscular mycorrhizal fungal diversity during ecosystem retrogression. <i>Molecular Ecology</i> , 2015 , 24, 4912-30	5.7	39
361	Contrasting responses of root morphology and root-exuded organic acids to low phosphorus availability in three important food crops with divergent root traits. <i>AoB PLANTS</i> , 2015 , 7,	2.9	46
360	Physiological and morphological adaptations of herbaceous perennial legumes allow differential access to sources of varying soluble phosphate. <i>Physiologia Plantarum</i> , 2015 , 154, 511-25	4.6	25
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351	Complementary plant nutrient-acquisition strategies promote growth of neighbour species. <i>Functional Ecology</i> , 2014 , 28, 819-828	5.6	48
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114	Relative growth rate, biomass allocation pattern and water use efficiency of three wheat cultivars during early ontogeny as dependent on water availability. <i>Physiologia Plantarum</i> , 1996 , 98, 493-504	4.6	23
113	Growth and carbon economy of a fast-growing and a slow-growing grass species as dependent on nitrate supply. <i>Plant and Soil</i> , 1995 , 171, 217-227	4.2	77
112	Root and leaf attributes accounting for the performance of fast- and slow-growing grasses at different nutrient supply. <i>Plant and Soil</i> , 1995 , 170, 251-265	4.2	274
111	Carbon use in root respiration as affected by elevated atmospheric O ₂ . <i>Plant and Soil</i> , 1995 , 187, 251-263	4.2	32
110	Salicylic acid enhances the activity of the alternative pathway of respiration in tobacco leaves and induces thermogenicity. <i>Planta</i> , 1995 , 196, 412-419	4.7	51
109	Effects of global environmental change on carbon partitioning in vegetative plants of <i>Triticum aestivum</i> and closely related <i>Aegilops</i> species. <i>Global Change Biology</i> , 1995 , 1, 397-406	11.4	23
108	Reduction, assimilation and transport of N in normal and gibberellin-deficient tomato plants. <i>Physiologia Plantarum</i> , 1995 , 95, 347-354	4.6	19
107	Regulation of K ⁺ and NO ₃ ⁻ fluxes in roots of sunflower (<i>Helianthus annuus</i>) after changes in light intensity. <i>Physiologia Plantarum</i> , 1995 , 93, 279-285	4.6	19
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103	Association of water use efficiency and nitrogen use efficiency with photosynthetic characteristics of two wheat cultivars. <i>Journal of Experimental Botany</i> , 1995 , 46, 1429-1438	7	39

102	The respiratory energy requirements involved in nocturnal carbohydrate export from starch-storing mature source leaves and their contribution to leaf dark respiration. <i>Journal of Experimental Botany</i> , 1995 , 46, 1185-1194	7	81
101	Partitioning of Electrons between the Cytochrome and Alternative Pathways in Intact Roots. <i>Plant Physiology</i> , 1995 , 108, 1179-1183	6.6	33
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99	The effect of handling on photosynthesis, transpiration, respiration, and nitrogen and carbohydrate content of populations of <i>Lolium perenne</i> . <i>Physiologia Plantarum</i> , 1994 , 91, 631-638	4.6	
98	The effect of handling on photosynthesis, transpiration, respiration, and nitrogen and carbohydrate content of populations of <i>Lolium perenne</i> . <i>Physiologia Plantarum</i> , 1994 , 91, 631-638	4.6	15
97	Respiratory energy requirements and rate of protein turnover in vivo determined by the use of an inhibitor of protein synthesis and a probe to assess its effect. <i>Physiologia Plantarum</i> , 1994 , 92, 585-594	4.6	83
96	Growth rate, plant development and water relations of the ABA-deficient tomato mutant sitiens. <i>Physiologia Plantarum</i> , 1994 , 92, 102-108	4.6	67
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90	Assimilation, respiration and allocation of carbon in <i>Plantago major</i> as affected by atmospheric CO ₂ levels. <i>Plant Ecology</i> , 1993 , 104-105, 369-378		37
89	Contribution of physiological and morphological plant traits to a species' competitive ability at high and low nitrogen supply : A hypothesis for inherently fast- and slow-growing monocotyledonous species. <i>Oecologia</i> , 1993 , 94, 434-440	2.9	111
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87	The effect of handling on the yield of two populations of <i>Lolium perenne</i> selected for differences in mature leaf respiration rate. <i>Physiologia Plantarum</i> , 1993 , 89, 341-346	4.6	8
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77	Respiratory energy requirements of roots vary with the potential growth rate of a plant species. <i>Physiologia Plantarum</i> , 1991 , 83, 469-475	4.6	160
76	Evidence for a significant contribution by peroxidase-mediated O ₂ uptake to root respiration of <i>Brachypodium pinnatum</i> . <i>Planta</i> , 1991 , 183, 347-52	4.7	20
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72	Modelling of Respiration: Effect of Variation in Respiration on Plant Growth in Two <i>Carex</i> Species. <i>Functional Ecology</i> , 1989 , 3, 655	5.6	4
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70	Analysis of specific leaf area and photosynthesis of two inbred lines of <i>Plantago major</i> differing in relative growth rate. <i>New Phytologist</i> , 1989 , 113, 283-290	9.8	51
69	Cytokinin concentration in relation to mineral nutrition and benzyladenine treatment in <i>Plantago major</i> ssp. <i>pleiosperma</i> . <i>Physiologia Plantarum</i> , 1989 , 75, 511-517	4.6	114
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
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