Given Names Deactivated Family Name Deactivated

List of Publications by Year in Descending Order

60 papers	4,647 citations	33 h-index	61 g-index
61 ext. papers	5,233 ext. citations	4.7 avg, IF	5.44 L-index

#	Paper	IF	Citations
60	Contrasting soil microbial abundance and diversity on and between pasture drill rows in the third growing season after sowing. *Renewable Agriculture and Food Systems*, **2021**, 36, 163-172	1.8	1
59	The legacy of pasture drill rows on soil chemical characteristics and subsequent wheat production. *Plant and Soil*, **2020**, 455, 319-337	4.2	1
58	Yield and nitrogen use efficiency of wheat increased with root length and biomass due to nitrogen, phosphorus, and potassium interactions. *Journal of Plant Nutrition and Soil Science*, **2018**, 181, 364-373	2.3	28
57	Influence of co-application of nitrogen with phosphorus, potassium and sulphur on the apparent efficiency of nitrogen fertiliser use, grain yield and protein content of wheat: Review. *Field Crops Research*, **2018**, 226, 56-65	5.5	50
56	New ley legumes increase nitrogen fixation and availability and grain crop yields in subtropical cropping systems. *Crop and Pasture Science*, **2017**, 68, 11	2.2	10
55	Enhancing composition and persistence of mixed pasture swards in southern New South Wales through alternative spatial configurations and improved legume performance. *Crop and Pasture Science*, **2017**, 68, 1112	2.2	9
54	Perennial cereal crops: An initial evaluation of wheat derivatives grown in mixtures with a regenerating annual legume. *Renewable Agriculture and Food Systems*, **2017**, 32, 276-290	1.8	17
53	15N2 as a tracer of biological N2 fixation: A 75-year retrospective. *Soil Biology and Biochemistry*, **2017**, 106, 36-50	7.5	26
52	The nitrification inhibitor 3,4,-dimethylpyrazole phosphate strongly inhibits nitrification in coarse-grained soils containing a low abundance of nitrifying microbiota. *Soil Research*, **2017**, 55, 28	1.8	11
51	Crop and microbial responses to the nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) in Mediterranean wheat-cropping systems. *Soil Research*, **2017**, 55, 553	1.8	3
50	Legume inoculant application methods: effects on nodulation patterns, nitrogen fixation, crop growth and yield in narrow-leaf lupin and faba bean. *Plant and Soil*, **2017**, 419, 25-39	4.2	32
49	Soil mineral nitrogen benefits derived from legumes and comparisons of the apparent recovery of legume or fertiliser nitrogen by wheat. *Soil Research*, **2017**, 55, 600	1.8	30
48	Sheep grazing on crop residues do not reduce crop yields in no-till, controlled traffic farming systems in an equi-seasonal rainfall environment. *Field Crops Research*, **2016**, 196, 22-32	5.5	19
47	Prospects to utilise intercrops and crop variety mixtures in mechanised, rain-fed, temperate cropping systems. *Crop and Pasture Science*, **2016**, 67, 1252	2.2	19
46	Going where no grains have gone before: From early to mid-succession. *Agriculture, Ecosystems and Environment*, **2016**, 223, 223-238	5.7	80
45	Can differences in 15N natural abundance be used to quantify the transfer of nitrogen from legumes to neighbouring non-legume plant species?. *Soil Biology and Biochemistry*, **2015**, 87, 97-109	7.5	45
44	Methodologies for estimating nitrogen transfer between legumes and companion species in agro-ecosystems: A review of 15N-enriched techniques. *Soil Biology and Biochemistry*, **2014**, 73, 10-21	7.5	72

43	Nitrogen contributions from faba bean (Vicia faba L.) reliant on soil rhizobia or inoculation. *Plant and Soil*, **2013**, 365, 363-374	4.2	31
42	Break-crop benefits to wheat in Western Australia Insights from over three decades of research. *Crop and Pasture Science*, **2012**, 63, 1	2.2	122
41	Legumes for mitigation of climate change and the provision of feedstock for biofuels and biorefineries. A review. *Agronomy for Sustainable Development*, **2012**, 32, 329-364	6.8	411
40	Diversity and Evolution of Rainfed Farming Systems in Southern Australia **2011**, 715-754		13
39	Detection of a reproducible, single-member shift in soil bacterial communities exposed to low levels of hydrogen. *Applied and Environmental Microbiology*, **2010**, 76, 1471-9	4.8	40
38	Faba bean in cropping systems. *Field Crops Research*, **2010**, 115, 203-216	5.5	280
37	Estimating the contribution of nitrogen from legume cover crops to the nitrogen nutrition of grapevines using a 15N dilution technique. *Plant and Soil*, **2010**, 334, 247-259	4.2	23
36	Hydrogen emission from nodulated soybeans [Glycine max (L.) Merr.] and consequences for the productivity of a subsequent maize (Zea mays L.) crop. *Plant and Soil*, **2008**, 307, 67-82	4.2	15
35	Global inputs of biological nitrogen fixation in agricultural systems. *Plant and Soil*, **2008**, 311, 1-18	4.2	976
34	Can the Synchrony of Nitrogen Supply and Crop Demand be Improved in Legume and Fertilizer-based Agroecosystems? A Review. *Nutrient Cycling in Agroecosystems*, **2005**, 72, 101-120	3.3	241
33	Effects of below-ground nitrogen on N balances of field-grown fababean, chickpea, and barley. *Australian Journal of Agricultural Research*, **2003**, 54, 333		60
32	Comparison of nitrogen mineralisation patterns from root residues of Trifolium subterraneum and Medicago sativa. *Biology and Fertility of Soils*, **2003**, 38, 296-300	6.1	28
31	Timing of xylem sampling for ureide analysis of nitrogen fixation. *Plant and Soil*, **2002**, 238, 57-67	4.2	20
30	Quantifying below-ground nitrogen of legumes. 2. A comparison of 15N and non isotopic methods. *Plant and Soil*, **2002**, 239, 277-289	4.2	74
29	Quantifying below-ground nitrogen of legumes. *Plant and Soil*, **2002**, 245, 327-334	4.2	48
28	Calibrating the xylem-solute method for nitrogen fixation measurement of ureide-producing legumes: cowpea, mungbean, and black gram. *Communications in Soil Science and Plant Analysis*, **2002**, 33, 425-437	1.5	9
27	Relating particulate organic matter-nitrogen (POM-N) and non-POM-N with pulse crop residues, residue management and cereal N uptake. *Agronomy for Sustainable Development*, **2002**, 22, 777-787		8
26	Use of the 15N natural abundance technique to quantify biological nitrogen fixation by woody perennials. *Nutrient Cycling in Agroecosystems*, **2000**, 57, 235-270	3.3	232

25	Annual nitrogen fixation in grazed dairy pastures in south-western Victoria. *Australian Journal of Agricultural Research*, **1999**, 50, 273		20
24	Factors associated with biological nitrogen fixation in dairy pastures in south-western Victoria. *Australian Journal of Agricultural Research*, **1999**, 50, 261		38
23	The effect of N fertilizer strategy on N2 fixation, growth and yield of vegetable soybean. *Field Crops Research*, **1997**, 51, 221-229	5.5	38
22	Application of 15N and xylem ureide methods for assessing N2 fixation of three shrub legumes periodically pruned for forage. *Plant and Soil*, **1996**, 182, 125-137	4.2	44
21	New techniques for studying competition by Rhizobia and for assessing nitrogen fixation in the field. *Plant and Soil*, **1995**, 174, 241-253	4.2	11
20	Biological nitrogen fixation: Investments, expectations and actual contributions to agriculture. *Plant and Soil*, **1992**, 141, 13-39	4.2	291
19	Measurement of nitrogen fixation by soybean in the field using the ureide and natural N abundance methods. *Plant Physiology*, **1990**, 93, 708-16	6.6	108
18	Nitrogen Partitioning During Early Development of Supernodulating Soybean (Glycine max[L.] Merrill) Mutants and their Wild-Type Parent. *Journal of Experimental Botany*, **1990**, 41, 1239-1244	7	12
17	Ureide assay for measuring nitrogen fixation by nodulated soybean calibrated by N methods. *Plant Physiology*, **1990**, 93, 495-503	6.6	127
16	Symbiotic Performance of Supernoclulating Soybean (Glycine max(L.) Merrill) Mutants during Development on Different Nitrogen Regimes. *Journal of Experimental Botany*, **1989**, 40, 715-724	7	53
15	Translocation of Nitrogenous Compounds in Symbiotic and Nitrate-Fed Amide-Exporting Legumes. *Journal of Experimental Botany*, **1987**, 38, 567-579	7	50
14	Nitrogen Nutrition and Xylem Sap Composition of Peanut (Arachis hypogaea L. cv Virginia Bunch). *Plant Physiology*, **1986**, 82, 946-51	6.6	37
13	Economy of water, carbon, and nitrogen in the developing cowpea fruit. *Plant Physiology*, **1985**, 77, 142-7	6.6	49
12	Diurnal water balance of the cowpea fruit. *Plant Physiology*, **1985**, 77, 148-56	6.6	61
11	Nitrogen nutrition and metabolic interconversions of nitrogenous solutes in developing cowpea fruits. *Plant Physiology*, **1985**, 77, 382-8	6.6	50
10	Spontaneous Phloem bleeding from cryopunctured fruits of a ureide-producing legume. *Plant Physiology*, **1984**, 74, 499-505	6.6	63
9	Electrophoretic Studies of the Seed Proteins of Cowpea, Vigna unguiculata (L.) Walp.. *Zeitschrift F Pflanzenphysiologie*, **1983**, 109, 363-370		17
8	Mobilization of Nitrogen in Fruiting Plants of a Cultivar of Cowpea. *Journal of Experimental Botany*, **1983**, 34, 563-578	7	61

7	Post-Anthesis Economy of Carbon in a Cultivar of Cowpea. *Journal of Experimental Botany*, **1983**, 34, 544-562	7	31
6	Amino Acid transport and metabolism in relation to the nitrogen economy of a legume leaf. *Plant Physiology*, **1983**, 71, 841-8	6.6	53
5	Metabolism and translocation of allantoin in ureide-producing grain legumes. *Plant Physiology*, **1982**, 70, 476-82	6.6	54
4	Nitrogen redistribution during grain growth in wheat (Triticum aestivum L.). *Planta*, **1980**, 148, 422-428	4.7	57
3	Nitrogen redistribution during grain growth in wheat (Triticum aestivum L.) : II. Chloroplast senescence and the degradation of ribulose-1,5-bisphosphate carboxylase. *Planta*, **1980**, 149, 241-51	4.7	131
2	Proteolysis in the axis of the germinating pea seed : I. Changes in protein degrading enzyme activities of the radicle and primary root. *Planta*, **1979**, 147, 111-6	4.7	25
1	Degradation of ribulose-1,5-bisphosphate carboxylase by proteolytic enzymes from crude extracts of wheat leaves. *Planta*, **1978**, 138, 153-60	4.7	82