Therese M Mcbeath

List of Publications by Year
in descending order

41 papers	1,649 citations	331670 21 h-index	289244 40 g-index
41 all docs	41 docs citations	41 times ranked	1803 citing authors

#	Article	IF	Citations
1	Early growing season immobilisation affects post-tillering wheat nitrogen uptake from crop stubble and 15N fertiliser in a sandy soil. Soil Research, 2021, 59, 239.	1.1	1
2	Soil phosphorus pools with addition of fertiliser phosphorus in a long-term grazing experiment. Nutrient Cycling in Agroecosystems, 2020, 116, 151-164.	2.2	6
3	Assessment of foliar-applied phosphorus fertiliser formulations to enhance phosphorus nutrition and grain production in wheat. Crop and Pasture Science, 2020, 71, 795.	1.5	11
4	Management practices that maximise gross margins in Australian canola (Brassica napus L.). Field Crops Research, 2020, 252, 107803.	5.1	13
5	Combined nitrogen input from legume residues and fertilizer improves early nitrogen supply and uptake by wheat. Journal of Plant Nutrition and Soil Science, 2020, 183, 355-366.	1.9	16
6	Agronomic management combining early-sowing on establishment opportunities, cultivar options and adequate nitrogen is critical for canola (Brassica napus) productivity and profit in low-rainfall environments. Crop and Pasture Science, 2020, 71, 807.	1.5	5
7	Challenges and opportunities for grain farming on sandy soils of semi-arid south and south-eastern Australia. Soil Research, 2020, 58, 323.	1.1	15
8	Combined application of nitrogen and phosphorus to enhance nitrogen use efficiency and close the wheat yield gap on varying soils in semiâ€arid conditions. Journal of Agronomy and Crop Science, 2019, 205, 635-646.	3.5	5
9	The Timing of Application and Inclusion of a Surfactant Are Important for Absorption and Translocation of Foliar Phosphoric Acid by Wheat Leaves. Frontiers in Plant Science, 2019, 10, 1532.	3.6	23
10	Direct recovery of 33 P-labelled fertiliser phosphorus in subterranean clover (Trifolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (su Ecosystems and Environment, 2017, 246, 144-156.	5.3	13
11	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
12	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
13	Uptake of phosphorus from surfactant solutions by wheat leaves: spreading kinetics, wetted area, and drying time. Soft Matter, 2016, 12, 209-218.	2.7	22
14	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
15	Break-crop effects on wheat production across soils and seasons in a semi-arid environment. Crop and Pasture Science, 2015, 66, 566.	1.5	27
16	Farmer risk-aversion limits closure of yield and profit gaps: A study of nitrogen management in the southern Australian wheatbelt. Agricultural Systems, 2015, 137, 108-118.	6.1	65
17	Phosphorus and nitrogen fertiliser use efficiency of wheat seedlings grown in soils from contrasting tillage systems.. Plant and Soil, 2015, 396, 297-309.	3.7	14
18	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

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19	Complex Forms of Soil Organic Phosphorusâ€“A Major Component of Soil Phosphorus. Environmental Science & Technology, 2015, 49, 13238-13245.	10.0	97
20	Assessing crop residue phosphorus speciation using chemical fractionation and solution 31P nuclear magnetic resonance spectroscopy. Talanta, 2014, 126, 122-129.	5.5	24
21	Phosphorus speciation in mature wheat and canola plants as affected by phosphorus supply. Plant and Soil, 2014, 378, 125-137.	3.7	51
22	Efficacy of zinc oxides as fertilisers. Plant and Soil, 2014, 374, 843-855.	3.7	55
23	Management of crop residues affects the transfer of phosphorus to plant and soil pools: Results from a dual-labelling experiment. Soil Biology and Biochemistry, 2014, 71, 31-39.	8.8	46
24	Wheat leaf properties affecting the absorption and subsequent translocation of foliar-applied phosphoric acid fertiliser. Plant and Soil, 2014, 384, 37-51.	3.7	23
25	Effect of wheat phosphorus status on leaf surface properties and permeability to foliar-applied phosphorus. Plant and Soil, 2014, 384, 7-20.	3.7	61
26	Improving water productivity in the Australian Grains industryâ€”a nationally coordinated approach. Crop and Pasture Science, 2014, 65, 583.	1.5	79
27	Phosphorus availability in chicken manure is lower with increased stockpiling period, despite a larger orthophosphate content. Plant and Soil, 2013, 373, 359-372.	3.7	21
28	Are farmers in low-rainfall cropping regions under-fertilising with nitrogen? A risk analysis. Agricultural Systems, 2013, 116, 37-51.	6.1	72
29	Summer fallow weed control and residue management impacts on winter crop yield though soil water and N accumulation in a winter-dominant, low rainfall region of southern Australia. Crop and Pasture Science, 2013, 64, 922.	1.5	65
30	A stableâ€isotope methodology for measurement of soilâ€applied zincâ€fertilizer recovery in durum wheat (Triticum durum). Journal of Plant Nutrition and Soil Science, 2013, 176, 756-763.	1.9	9
31	Dry Soil Reduces Fertilizer Phosphorus and Zinc Diffusion but Not Bioavailability. Soil Science Society of America Journal, 2012, 76, 1301-1310.	2.2	18
32	Crop residue phosphorus: speciation and potential bio-availability. Plant and Soil, 2012, 359, 375-385.	3.7	155
33	The effect of soil water status on fertiliser, topsoil and subsoil phosphorus utilisation by wheat. Plant and Soil, 2012, 358, 337-348.	3.7	56
34	Measuring organic carbon in Calcarosols: understanding the pitfalls and complications. Soil Research, 2012, 50, 397.	1.1	25
35	The decomposition of windrowed, chipped logging slash and tree seedling response: A plant growth and nuclear magnetic resonance spectroscopy study. Organic Geochemistry, 2011, 42, 936-946.	1.8	8
36	The chemical nature of P accumulation in agricultural soilsâ€”implications for fertiliser management and design: an Australian perspective. Plant and Soil, 2011, 349, 69-87.	3.7	284

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37	The use of a zinc-efficient wheat cultivar as an adaptation to calcareous subsoil: a glasshouse study. Plant and Soil, 2010, 336, 15-24.	3.7	14
38	Exchangeability of orthophosphate and pyrophosphate in soils: a double isotopic labelling study. Plant and Soil, 2009, 314, 243-252.	3.7	11
39	Polyphosphate-fertilizer solution stability with time, temperature, and pH. Journal of Plant Nutrition and Soil Science, 2007, 170, 387-391.	1.9	63
40	Predicting the response of wheat (Triticum aestivum L.) to liquid and granular phosphorus fertilisers in Australian soils. Soil Research, 2007, 45, 448.	1.1	46
41	Changes in P Bioavailability Induced by the Application of Liquid and Powder Sources of P, N and Zn Fertilizers in Alkaline Soils. Nutrient Cycling in Agroecosystems, 2006, 74, 27-40.	2.2	36