Leo M Condron

List of Publications by Year
in descending order

52 papers	4,402 citations	218381 26 h-index	189595 50 g-index
53 all docs	53 docs citations	53 times ranked	4686 citing authors

#	Article	IF	Citations
1	A Review of Biochar and Soil Nitrogen Dynamics. Agronomy, 2013, 3, 275-293.	1.3	663
2	Biochar adsorbed ammonia is bioavailable. Plant and Soil, 2012, 350, 57-69.	1.8	371
3	Biochar and the Nitrogen Cycle: Introduction. Journal of Environmental Quality, 2010, 39, 1218-1223.	1.0	346
4	Extraction of soil organic phosphorus. Talanta, 2005, 66, 294-306.	2.9	345
5	Effects of selected root exudate components on soil bacterial communities. FEMS Microbiology Ecology, 2011, 77, 600-610.	1.3	316
6	Biochar Incorporation into Pasture Soil Suppresses in situ Nitrous Oxide Emissions from Ruminant Urine Patches. Journal of Environmental Quality, 2011, 40, 468-476.	1.0	233
7	Revisiting the fundamentals of phosphorus fractionation of sediments and soils. Journal of Soils and Sediments, 2011, 11, 830-840.	1.5	221
8	The phosphorus composition of temperate pasture soils determined by NaOHâ€“EDTA extraction and solution 31 P NMR spectroscopy. Organic Geochemistry, 2003, 34, 1199-1210.	0.9	199
9	Soil microbial organic nitrogen uptake is regulated by carbon availability. Soil Biology and Biochemistry, 2014, 77, 261-267.	4.2	137
10	A wood based low-temperature biochar captures NH3-N generated from ruminant urine-N, retaining its bioavailability. Plant and Soil, 2012, 353, 73-84.	1.8	136
11	Biochar and fertiliser applications influence phosphorus fractionation and wheat yield. Biology and Fertility of Soils, 2014, 50, 169-178.	2.3	118
12	Using organic phosphorus to sustain pasture productivity: A perspective. Geoderma, 2014, 221-222, 11-19.	2.3	111
13	Impact of long-term phosphorus fertilizer inputs on bacterial phoD gene community in a maize field, Northeast China. Science of the Total Environment, 2019, 669, 1011-1018.	3.9	89
14	Phosphorus-31 Nuclear Magnetic Resonance Spectral Assignments of Phosphorus Compounds in Soil NaOHâ€“EDTA Extracts. Soil Science Society of America Journal, 2003, 67, 497.	1.2	89
15	Soil alkaline phosphatase activity and bacterial phoD gene abundance and diversity under long-term nitrogen and manure inputs. Geoderma, 2019, 349, 36-44.	2.3	72
16	Response of soil microbial communities to contrasted histories of phosphorus fertilisation in pastures. Applied Soil Ecology, 2012, 61, 40-48.	2.1	69
17	Phosphorus speciation in a long-term manure-amended soil profile â€“ Evidence from wet chemical extraction, 31P-NMR and P K-edge XANES spectroscopy. Geoderma, 2018, 322, 19-27.	2.3	61
18	Effect of Green Manure Addition on Soil Organic Phosphorus Mineralisation. Nutrient Cycling in Agroecosystems, 2005, 73, 181-189.	1.1	58

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19	Accumulation and distribution of phosphorus in the soil profile under fertilized grazed pasture. Agriculture, Ecosystems and Environment, 2017, 239, 228-235.	2.5	58
20	Soil carbon pools, plant biomarkers and mean carbon residence time after afforestation of grassland with three tree species. Soil Biology and Biochemistry, 2011, 43, 1341-1349.	4.2	54
21	Fate of phosphorus applied to soil in pig slurry under cropping in southern Brazil. Geoderma, 2018, 321, 164-172.	2.3	44
22	In situ sampling of low molecular weight organic anions from rhizosphere of radiata pine (Pinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.0	43
23	Oxygen isotopes of phosphate and soil phosphorus cycling across a 6500 year chronosequence under lowland temperate rainforest. Geoderma, 2015, 257-258, 14-21.	2.3	39
24	Chemical nature of residual phosphorus in Andisols. Geoderma, 2016, 271, 27-31.	2.3	39
25	Effect of land use and soil organic matter quality on the structure and function of microbial communities in pastoral soils: Implications for disease suppression. PLoS ONE, 2018, 13, e0196581.	1.1	34
26	Challenges and opportunities in harnessing soil disease suppressiveness for sustainable pasture production. Soil Biology and Biochemistry, 2016, 95, 100-111.	4.2	33
27	Phosphorus and Sulphur Cycling in Terrestrial Ecosystems. , 2007, , 65-92.		31
28	Impact of grassland afforestation with contrasting tree species on soil phosphorus fractions and alkaline phosphatase gene communities. Soil Biology and Biochemistry, 2021, 159, 108274.	4.2	29
29	Dynamics and availability of phosphorus in the rhizosphere of a temperate silvopastoral system. Biology and Fertility of Soils, 2003, 39, 65-73.	2.3	27
30	Role of Organic Anions and Phosphatase Enzymes in Phosphorus Acquisition in the Rhizospheres of Legumes and Grasses Grown in a Low Phosphorus Pasture Soil. Plants, 2020, 9, 1185.	1.6	26
31	Validating novel oligonucleotide primers targeting three classes of bacterial non-specific acid phosphatase genes in grassland soils. Plant and Soil, 2018, 427, 39-51.	1.8	24
32	Sediment phosphorus buffering in streams at baseflow: A metaâ€analysis. Journal of Environmental Quality, 2021, 50, 287-311.	1.0	24
33	Impacts of long-term plant residue management on soil organic matter quality, Pseudomonas community structure and disease suppressiveness. Soil Biology and Biochemistry, 2019, 135, 396-406.	4.2	22
34	Effects of long-term grassland management on the chemical nature and bioavailability of soil phosphorus. Biology and Fertility of Soils, 2012, 48, 607-611.	2.3	21
35	Impacts of long-term plant biomass management on soil phosphorus under temperate grassland. Plant and Soil, 2018, 427, 163-174.	1.8	21
36	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.	1.8	20

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37	Soil Phosphorus Modeling for Modern Agriculture Requires Balance of Science and Practicality: A Perspective. Journal of Environmental Quality, 2019, 48, 1281-1294.	1.0	20
38	Soybean (Glycine max (L.) Merrill) intercropping with reduced nitrogen input influences rhizosphere phosphorus dynamics and phosphorus acquisition of sugarcane (Saccharum officinarum). Biology and Fertility of Soils, 2020, 56, 1063-1075.	2.3	19
39	A rapid fractionation method for assessing key soil phosphorus parameters in agroecosystems. Geoderma, 2021, 385, 114893.	2.3	19
40	The error in stream sediment phosphorus fractionation and sorption properties effected by drying pretreatments. Journal of Soils and Sediments, 2019, 19, 1587-1597.	1.5	18
41	Plant biomass management impacts on short-term soil phosphorus dynamics in a temperate grassland. Biology and Fertility of Soils, 2018, 54, 397-409.	2.3	17
42	Soil microbial diversity in adjacent forest systems â€“ contrasting native, old growth kauri (Agathis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 96, .	1.3	15
43	Modelling arsenic toxicity in wheat: Simultaneous application of diffusive gradients in thin films to arsenic and phosphorus in soil. Environmental Pollution, 2011, 159, 2996-3002.	3.7	12
44	Mass balance assessment of phosphorus dynamics in a fertilizer trial with 57Âyears of superphosphate application under irrigated grazed pasture. Nutrient Cycling in Agroecosystems, 2019, 114, 33-44.	1.1	10
45	Mobilisation of recalcitrant soil nutrient fractions supports foliar nitrogen to phosphorus homeostasis in a seabird soil. Plant and Soil, 2014, 385, 77-86.	1.8	8
46	Long-term atmospheric carbon dioxide enrichment decreases soil phosphorus availability in a grazed temperate pasture. Geoderma, 2020, 378, 114621.	2.3	8
47	Nitrogen fertilization effects on soil phosphorus dynamics under a grass-pasture system. Nutrient Cycling in Agroecosystems, 2022, 124, 227-246.	1.1	8
48	Non-host larvae negatively impact persistence of the entomopathogen Beauveria bassiana in soil. Journal of Invertebrate Pathology, 2018, 156, 19-28.	1.5	4
49	Investigating the relationships between soil acidity and phosphorus fractions in high country farmland of New Zealandâ€™s South Island. Soil Research, 2021, 59, 463-471.	0.6	4
50	Research and Application of Biochar in New Zealand. SSSA Special Publication Series, 2015, , 423-443.	0.2	2
51	Grassland plant and invertebrate species richness increases from mowing are mediated by impacts on soil chemistry. Basic and Applied Ecology, 2022, 63, 152-163.	1.2	2
52	Sediment and water-column phosphorus chemistry in streams at baseflow across varying catchment geologies. Inland Waters, 2022, 12, 510-525.	1.1	0