

Leo M Condron

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

4,402
citations

218677

26
h-index

189892

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. <i>Agronomy</i> , 2013, 3, 275-293.	3.0	663
2	Biochar adsorbed ammonia is bioavailable. <i>Plant and Soil</i> , 2012, 350, 57-69.	3.7	371
3	Biochar and the Nitrogen Cycle: Introduction. <i>Journal of Environmental Quality</i> , 2010, 39, 1218-1223.	2.0	346
4	Extraction of soil organic phosphorus. <i>Talanta</i> , 2005, 66, 294-306.	5.5	345
5	Effects of selected root exudate components on soil bacterial communities. <i>FEMS Microbiology Ecology</i> , 2011, 77, 600-610.	2.7	316
6	Biochar Incorporation into Pasture Soil Suppresses in situ Nitrous Oxide Emissions from Ruminant Urine Patches. <i>Journal of Environmental Quality</i> , 2011, 40, 468-476.	2.0	233
7	Revisiting the fundamentals of phosphorus fractionation of sediments and soils. <i>Journal of Soils and Sediments</i> , 2011, 11, 830-840.	3.0	221
8	The phosphorus composition of temperate pasture soils determined by NaOH-EDTA extraction and solution ³¹ P NMR spectroscopy. <i>Organic Geochemistry</i> , 2003, 34, 1199-1210.	1.8	199
9	Soil microbial organic nitrogen uptake is regulated by carbon availability. <i>Soil Biology and Biochemistry</i> , 2014, 77, 261-267.	8.8	137
10	A wood based low-temperature biochar captures NH ₃ -N generated from ruminant urine-N, retaining its bioavailability. <i>Plant and Soil</i> , 2012, 353, 73-84.	3.7	136
11	Biochar and fertiliser applications influence phosphorus fractionation and wheat yield. <i>Biology and Fertility of Soils</i> , 2014, 50, 169-178.	4.3	118
12	Using organic phosphorus to sustain pasture productivity: A perspective. <i>Geoderma</i> , 2014, 221-222, 11-19.	5.1	111
13	Impact of long-term phosphorus fertilizer inputs on bacterial <i>phoD</i> gene community in a maize field, Northeast China. <i>Science of the Total Environment</i> , 2019, 669, 1011-1018.	8.0	89
14	Phosphorus-31 Nuclear Magnetic Resonance Spectral Assignments of Phosphorus Compounds in Soil NaOH-EDTA Extracts. <i>Soil Science Society of America Journal</i> , 2003, 67, 497.	2.2	89
15	Soil alkaline phosphatase activity and bacterial <i>phoD</i> gene abundance and diversity under long-term nitrogen and manure inputs. <i>Geoderma</i> , 2019, 349, 36-44.	5.1	72
16	Response of soil microbial communities to contrasted histories of phosphorus fertilisation in pastures. <i>Applied Soil Ecology</i> , 2012, 61, 40-48.	4.3	69
17	Phosphorus speciation in a long-term manure-amended soil profile – Evidence from wet chemical extraction, ³¹ P-NMR and P K-edge XANES spectroscopy. <i>Geoderma</i> , 2018, 322, 19-27.	5.1	61
18	Effect of Green Manure Addition on Soil Organic Phosphorus Mineralisation. <i>Nutrient Cycling in Agroecosystems</i> , 2005, 73, 181-189.	2.2	58

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19	Accumulation and distribution of phosphorus in the soil profile under fertilized grazed pasture. <i>Agriculture, Ecosystems and Environment</i> , 2017, 239, 228-235.	5.3	58
20	Soil carbon pools, plant biomarkers and mean carbon residence time after afforestation of grassland with three tree species. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1341-1349.	8.8	54
21	Fate of phosphorus applied to soil in pig slurry under cropping in southern Brazil. <i>Geoderma</i> , 2018, 321, 164-172.	5.1	44
22	In situ sampling of low molecular weight organic anions from rhizosphere of radiata pine (<i>Pinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	4.2	43
23	Oxygen isotopes of phosphate and soil phosphorus cycling across a 6500 year chronosequence under lowland temperate rainforest. <i>Geoderma</i> , 2015, 257-258, 14-21.	5.1	39
24	Chemical nature of residual phosphorus in Andisols. <i>Geoderma</i> , 2016, 271, 27-31.	5.1	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. <i>PLoS ONE</i> , 2018, 13, e0196581.	2.5	34
26	Challenges and opportunities in harnessing soil disease suppressiveness for sustainable pasture production. <i>Soil Biology and Biochemistry</i> , 2016, 95, 100-111.	8.8	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. <i>Soil Biology and Biochemistry</i> , 2021, 159, 108274.	8.8	29
29	Dynamics and availability of phosphorus in the rhizosphere of a temperate silvopastoral system. <i>Biology and Fertility of Soils</i> , 2003, 39, 65-73.	4.3	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. <i>Plants</i> , 2020, 9, 1185.	3.5	26
31	Validating novel oligonucleotide primers targeting three classes of bacterial non-specific acid phosphatase genes in grassland soils. <i>Plant and Soil</i> , 2018, 427, 39-51.	3.7	24
32	Sediment phosphorus buffering in streams at baseflow: A meta-analysis. <i>Journal of Environmental Quality</i> , 2021, 50, 287-311.	2.0	24
33	Impacts of long-term plant residue management on soil organic matter quality, <i>Pseudomonas</i> community structure and disease suppressiveness. <i>Soil Biology and Biochemistry</i> , 2019, 135, 396-406.	8.8	22
34	Effects of long-term grassland management on the chemical nature and bioavailability of soil phosphorus. <i>Biology and Fertility of Soils</i> , 2012, 48, 607-611.	4.3	21
35	Impacts of long-term plant biomass management on soil phosphorus under temperate grassland. <i>Plant and Soil</i> , 2018, 427, 163-174.	3.7	21
36	Investigation of organic anions in tree root exudates and rhizosphere microbial communities using in situ and destructive sampling techniques. <i>Plant and Soil</i> , 2012, 359, 149-163.	3.7	20

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37	Soil Phosphorus Modeling for Modern Agriculture Requires Balance of Science and Practicality: A Perspective. <i>Journal of Environmental Quality</i> , 2019, 48, 1281-1294.	2.0	20
38	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.	4.3	19
39	A rapid fractionation method for assessing key soil phosphorus parameters in agroecosystems. <i>Geoderma</i> , 2021, 385, 114893.	5.1	19
40	The error in stream sediment phosphorus fractionation and sorption properties effected by drying pretreatments. <i>Journal of Soils and Sediments</i> , 2019, 19, 1587-1597.	3.0	18
41	Plant biomass management impacts on short-term soil phosphorus dynamics in a temperate grassland. <i>Biology and Fertility of Soils</i> , 2018, 54, 397-409.	4.3	17
42	Soil microbial diversity in adjacent forest systems – contrasting native, old growth kauri (<i>Agathis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 96, .	2.7	15
43	Modelling arsenic toxicity in wheat: Simultaneous application of diffusive gradients in thin films to arsenic and phosphorus in soil. <i>Environmental Pollution</i> , 2011, 159, 2996-3002.	7.5	12
44	Mass balance assessment of phosphorus dynamics in a fertilizer trial with 57 years of superphosphate application under irrigated grazed pasture. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 114, 33-44.	2.2	10
45	Mobilisation of recalcitrant soil nutrient fractions supports foliar nitrogen to phosphorus homeostasis in a seabird soil. <i>Plant and Soil</i> , 2014, 385, 77-86.	3.7	8
46	Long-term atmospheric carbon dioxide enrichment decreases soil phosphorus availability in a grazed temperate pasture. <i>Geoderma</i> , 2020, 378, 114621.	5.1	8
47	Nitrogen fertilization effects on soil phosphorus dynamics under a grass-pasture system. <i>Nutrient Cycling in Agroecosystems</i> , 2022, 124, 227-246.	2.2	8
48	Non-host larvae negatively impact persistence of the entomopathogen <i>Beauveria bassiana</i> in soil. <i>Journal of Invertebrate Pathology</i> , 2018, 156, 19-28.	3.2	4
49	Investigating the relationships between soil acidity and phosphorus fractions in high country farmland of New Zealand's South Island. <i>Soil Research</i> , 2021, 59, 463-471.	1.1	4
50	Research and Application of Biochar in New Zealand. <i>SSSA Special Publication Series</i> , 2015, , 423-443.	0.2	2
51	Grassland plant and invertebrate species richness increases from mowing are mediated by impacts on soil chemistry. <i>Basic and Applied Ecology</i> , 2022, 63, 152-163.	2.7	2
52	Sediment and water-column phosphorus chemistry in streams at baseflow across varying catchment geologies. <i>Inland Waters</i> , 2022, 12, 510-525.	2.2	0