

Leo M Condron

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.

51
papers

3,345
citations

25
h-index

53
g-index

53
ext. papers

3,850
ext. citations

5.1
avg. IF

5.48
L-index

#	Paper	IF	Citations
51	A rapid fractionation method for assessing key soil phosphorus parameters in agroecosystems. <i>Geoderma</i> , 2021 , 385, 114893	6.7	1
50	Sediment phosphorus buffering in streams at baseflow: A meta-analysis. <i>Journal of Environmental Quality</i> , 2021 , 50, 287-311	3.4	8
49	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	7.5	3
48	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
47	Soil microbial diversity in adjacent forest systems - contrasting native, old growth kauri (<i>Agathis australis</i>) forest with exotic pine (<i>Pinus radiata</i>) plantation forest. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	6
46	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,	4.5	12
45	Long-term atmospheric carbon dioxide enrichment decreases soil phosphorus availability in a grazed temperate pasture. <i>Geoderma</i> , 2020 , 378, 114621	6.7	5
44	Soil Phosphorus Modeling for Modern Agriculture Requires Balance of Science and Practicality: A Perspective. <i>Journal of Environmental Quality</i> , 2019 , 48, 1281-1294	3.4	6
43	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	7.5	16
42	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	6.7	38
41	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	3.3	5
40	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	10.2	45
39	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	3.4	12
38	Fate of phosphorus applied to soil in pig slurry under cropping in southern Brazil. <i>Geoderma</i> , 2018 , 321, 164-172	6.7	28
37	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	6.1	14
36	Phosphorus speciation in a long-term manure-amended soil profile Evidence from wet chemical extraction, 31P-NMR and P K-edge XANES spectroscopy. <i>Geoderma</i> , 2018 , 322, 19-27	6.7	33
35	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	4.2	13

34	Impacts of long-term plant biomass management on soil phosphorus under temperate grassland. <i>Plant and Soil</i> , 2018 , 427, 163-174	4.2	10
33	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	2.6	2
32	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	3.7	25
31	Accumulation and distribution of phosphorus in the soil profile under fertilized grazed pasture. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 239, 228-235	5.7	33
30	Challenges and opportunities in harnessing soil disease suppressiveness for sustainable pasture production. <i>Soil Biology and Biochemistry</i> , 2016 , 95, 100-111	7.5	24
29	Chemical nature of residual phosphorus in Andisols. <i>Geoderma</i> , 2016 , 271, 27-31	6.7	31
28	Research and Application of Biochar in New Zealand. <i>SSSA Special Publication Series</i> , 2015 , 423-443	0	1
27	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	6.7	33
26	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	4.2	8
25	Soil microbial organic nitrogen uptake is regulated by carbon availability. <i>Soil Biology and Biochemistry</i> , 2014 , 77, 261-267	7.5	98
24	Biochar and fertiliser applications influence phosphorus fractionation and wheat yield. <i>Biology and Fertility of Soils</i> , 2014 , 50, 169-178	6.1	91
23	Using organic phosphorus to sustain pasture productivity: A perspective. <i>Geoderma</i> , 2014 , 221-222, 11-10.7		85
22	Challenges in Assessing Links Between Root Exudates and the Structure and Function of Soil Microbial Communities 2013 , 125-135		6
21	A Review of Biochar and Soil Nitrogen Dynamics. <i>Agronomy</i> , 2013 , 3, 275-293	3.6	522
20	Biochar adsorbed ammonia is bioavailable. <i>Plant and Soil</i> , 2012 , 350, 57-69	4.2	302
19	Response of soil microbial communities to contrasted histories of phosphorus fertilisation in pastures. <i>Applied Soil Ecology</i> , 2012 , 61, 40-48	5	59
18	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	4.2	17
17	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	4.2	106

16	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	6.1	17
15	Biochar incorporation into pasture soil suppresses in situ nitrous oxide emissions from ruminant urine patches. <i>Journal of Environmental Quality</i> , 2011 , 40, 468-76	3.4	205
14	Effects of selected root exudate components on soil bacterial communities. <i>FEMS Microbiology Ecology</i> , 2011 , 77, 600-10	4.3	245
13	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	7.5	43
12	In situ sampling of low molecular weight organic anions from rhizosphere of radiata pine (<i>Pinus radiata</i>) grown in a rhizotron system. <i>Environmental and Experimental Botany</i> , 2011 , 70, 131-142	5.9	35
11	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	9.3	11
10	Revisiting the fundamentals of phosphorus fractionation of sediments and soils. <i>Journal of Soils and Sediments</i> , 2011 , 11, 830-840	3.4	164
9	Biochar and the nitrogen cycle: introduction. <i>Journal of Environmental Quality</i> , 2010 , 39, 1218-23	3.4	289
8	Phosphorus and Sulphur Cycling in Terrestrial Ecosystems 2007 , 65-92		18
7	Extraction of soil organic phosphorus. <i>Talanta</i> , 2005 , 66, 294-306	6.2	290
6	Effect of Green Manure Addition on Soil Organic Phosphorus Mineralisation. <i>Nutrient Cycling in Agroecosystems</i> , 2005 , 73, 181-189	3.3	49
5	Dynamics and availability of phosphorus in the rhizosphere of a temperate silvopastoral system. <i>Biology and Fertility of Soils</i> , 2003 , 39, 65-73	6.1	23
4	The phosphorus composition of temperate pasture soils determined by NaOHEDTA extraction and solution ³¹ P NMR spectroscopy. <i>Organic Geochemistry</i> , 2003 , 34, 1199-1210	3.1	176
3	Phosphorus-31 Nuclear Magnetic Resonance Spectral Assignments of Phosphorus Compounds in Soil NaOHEDTA Extracts 2003 , 67, 497		73
2	Nitrogen fertilization effects on soil phosphorus dynamics under a grass-pasture system. <i>Nutrient Cycling in Agroecosystems</i> , 1	3.3	1
1	Sediment and water-column phosphorus chemistry in streams at baseflow across varying catchment geologies. <i>Inland Waters</i> , 1-65	2.4	