

Chengrong Chen

List of Publications by Year in descending order

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181
papers

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#	ARTICLE	IF	CITATIONS
1	Global meta-analysis shows pervasive phosphorus limitation of aboveground plant production in natural terrestrial ecosystems. <i>Nature Communications</i> , 2020, 11, 637.	12.8	310
2	Long-term nutrient inputs shift soil microbial functional profiles of phosphorus cycling in diverse agroecosystems. <i>ISME Journal</i> , 2020, 14, 757-770.	9.8	280
3	Salt-affected soils, reclamation, carbon dynamics, and biochar: a review. <i>Journal of Soils and Sediments</i> , 2016, 16, 939-953.	3.0	254
4	Soil Carbon Pools in Adjacent Natural and Plantation Forests of Subtropical Australia. <i>Soil Science Society of America Journal</i> , 2004, 68, 282-291.	2.2	230
5	Phosphorus dynamics in the rhizosphere of perennial ryegrass (<i>Lolium perenne</i> L.) and radiata pine (<i>Pinus radiata</i> D. Don.). <i>Soil Biology and Biochemistry</i> , 2002, 34, 487-499.	8.8	212
6	Roles of biochar in improving phosphorus availability in soils: A phosphate adsorbent and a source of available phosphorus. <i>Geoderma</i> , 2016, 276, 1-6.	5.1	209
7	Title is missing!. <i>Plant and Soil</i> , 2000, 220, 151-163.	3.7	202
8	The Australian three-dimensional soil grid: Australia's contribution to the GlobalSoilMap project. <i>Soil Research</i> , 2015, 53, 845.	1.1	201
9	Seasonal changes in soil phosphorus and associated microbial properties under adjacent grassland and forest in New Zealand. <i>Forest Ecology and Management</i> , 2003, 177, 539-557.	3.2	199
10	Effects of climate on soil phosphorus cycle and availability in natural terrestrial ecosystems. <i>Global Change Biology</i> , 2018, 24, 3344-3356.	9.5	197
11	Effect of feedstock and pyrolysis temperature on properties of biochar governing end use efficacy. <i>Biomass and Bioenergy</i> , 2017, 105, 136-146.	5.7	171
12	Microbial composition and diversity of an upland red soil under long-term fertilization treatments as revealed by culture-dependent and culture-independent approaches. <i>Journal of Soils and Sediments</i> , 2008, 8, 349-358.	3.0	170
13	Soil and Landscape Grid of Australia. <i>Soil Research</i> , 2015, 53, 835.	1.1	167
14	Impacts of grassland afforestation with coniferous trees on soil phosphorus dynamics and associated microbial processes: A review. <i>Forest Ecology and Management</i> , 2008, 255, 396-409.	3.2	165
15	Warming and grazing affect soil labile carbon and nitrogen pools differently in an alpine meadow of the Qinghai-Tibet Plateau in China. <i>Journal of Soils and Sediments</i> , 2011, 11, 903-914.	3.0	133
16	Acid transformation of bauxite residue: Conversion of its alkaline characteristics. <i>Journal of Hazardous Materials</i> , 2017, 324, 382-390.	12.4	131
17	Effect of mulching on labile soil organic matter pools, microbial community functional diversity and nitrogen transformations in two hardwood plantations of subtropical Australia. <i>Applied Soil Ecology</i> , 2008, 40, 229-239.	4.3	129
18	Heavy metal behaviour at mineral-organo interfaces: Mechanisms, modelling and influence factors. <i>Environment International</i> , 2019, 131, 104995.	10.0	123

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19	Warming and increased precipitation have differential effects on soil extracellular enzyme activities in a temperate grassland. <i>Science of the Total Environment</i> , 2013, 444, 552-558.	8.0	121
20	Gross nitrogen transformations in adjacent native and plantation forests of subtropical Australia. <i>Soil Biology and Biochemistry</i> , 2007, 39, 426-433.	8.8	105
21	Soil microbial biomass, activity and community composition in adjacent native and plantation forests of subtropical Australia. <i>Journal of Soils and Sediments</i> , 2010, 10, 1267-1277.	3.0	103
22	Digitally mapping the information content of visible–near infrared spectra of surficial Australian soils. <i>Remote Sensing of Environment</i> , 2011, 115, 1443-1455.	11.0	102
23	Soil carbon and nutrient pools, microbial properties and gross nitrogen transformations in adjacent natural forest and hoop pine plantations of subtropical Australia. <i>Journal of Soils and Sediments</i> , 2008, 8, 99-105.	3.0	100
24	Soil microbial community structure and diversity are largely influenced by soil pH and nutrient quality in 78-year-old tree plantations. <i>Biogeosciences</i> , 2017, 14, 2101-2111.	3.3	94
25	Fertiliser-induced nitrous oxide emissions from vegetable production in the world and the regulating factors: A review. <i>Atmospheric Environment</i> , 2015, 112, 225-233.	4.1	93
26	The phosphorus–rich signature of fire in the soil–plant system: a global meta-analysis. <i>Ecology Letters</i> , 2018, 21, 335-344.	6.4	91
27	Aged acidic biochar increases nitrogen retention and decreases ammonia volatilization in alkaline bauxite residue sand. <i>Ecological Engineering</i> , 2017, 98, 157-165.	3.6	90
28	Soil carbon and nitrogen pools and microbial properties in a 6-year-old slash pine plantation of subtropical Australia: impacts of harvest residue management. <i>Forest Ecology and Management</i> , 2005, 206, 237-247.	3.2	88
29	Trends and challenges in soil research 2009: linking global climate change to local long-term forest productivity. <i>Journal of Soils and Sediments</i> , 2009, 9, 83-88.	3.0	86
30	Phosphorus Speciation and Sorption–Desorption Characteristics in Heavily Manured Soils. <i>Soil Science Society of America Journal</i> , 2009, 73, 93-101.	2.2	86
31	Abundance and community structure of ammonia-oxidizing bacteria and archaea in a temperate forest ecosystem under ten-years elevated CO ₂ . <i>Soil Biology and Biochemistry</i> , 2012, 46, 163-171.	8.8	81
32	Soil extractable carbon and nitrogen, microbial biomass and microbial metabolic activity in response to warming and increased precipitation in a semiarid Inner Mongolian grassland. <i>Geoderma</i> , 2013, 206, 24-31.	5.1	80
33	Impacts of greenwaste biochar on ammonia volatilisation from bauxite processing residue sand. <i>Plant and Soil</i> , 2013, 367, 301-312.	3.7	78
34	Soil environmental factors rather than denitrification gene abundance control N ₂ O fluxes in a wet sclerophyll forest with different burning frequency. <i>Soil Biology and Biochemistry</i> , 2013, 57, 292-300.	8.8	77
35	Changes in soil carbon during the establishment of a hardwood plantation in subtropical Australia. <i>Forest Ecology and Management</i> , 2008, 254, 46-55.	3.2	76
36	Analysis and behavior of soluble organic nitrogen in forest soils. <i>Journal of Soils and Sediments</i> , 2008, 8, 363-378.	3.0	72

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37	Soluble Organic Nitrogen Pools in Forest soils of Subtropical Australia. <i>Plant and Soil</i> , 2005, 277, 285-297.	3.7	71
38	Warming and grazing increase mineralization of organic P in an alpine meadow ecosystem of Qinghai-Tibet Plateau, China. <i>Plant and Soil</i> , 2012, 357, 73-87.	3.7	71
39	Changes in $\delta^{15}\text{N}$ in a soil-plant system under different biochar feedstocks and application rates. <i>Biology and Fertility of Soils</i> , 2014, 50, 275-283.	4.3	70
40	Soil pH predominantly controls the forms of organic phosphorus in topsoils under natural broadleaved forests along a 2500 km latitudinal gradient. <i>Geoderma</i> , 2018, 315, 65-74.	5.1	68
41	Abundance and community structure of ammonia oxidizing bacteria and archaea in a Sweden boreal forest soil under 19-year fertilization and 12-year warming. <i>Journal of Soils and Sediments</i> , 2012, 12, 1124-1133.	3.0	66
42	A structural equation model analysis of phosphorus transformations in global unfertilized and uncultivated soils. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1300-1309.	4.9	66
43	Vertical and horizontal assemblage patterns of bacterial communities in a eutrophic river receiving domestic wastewater in southeast China. <i>Environmental Pollution</i> , 2017, 230, 469-478.	7.5	65
44	Citric acid enhances the mobilization of organic phosphorus in subtropical and tropical forest soils. <i>Biology and Fertility of Soils</i> , 2010, 46, 765-769.	4.3	64
45	Stoichiometric ratio of dissolved organic carbon to nitrate regulates nitrous oxide emission from the biochar-amended soils. <i>Science of the Total Environment</i> , 2017, 576, 559-571.	8.0	64
46	Long term repeated burning in a wet sclerophyll forest reduces fungal and bacterial biomass and responses to carbon substrates. <i>Soil Biology and Biochemistry</i> , 2008, 40, 2246-2252.	8.8	62
47	Latitudinal patterns of terrestrial phosphorus limitation over the globe. <i>Ecology Letters</i> , 2021, 24, 1420-1431.	6.4	62
48	High-frequency fire alters C:N:P stoichiometry in forest litter. <i>Global Change Biology</i> , 2014, 20, 2321-2331.	9.5	60
49	Soil quality and vegetation performance indicators for sustainable rehabilitation of bauxite residue disposal areas: a review. <i>Soil Research</i> , 2019, 57, 419.	1.1	60
50	Fungal communities and functions response to long-term fertilization in paddy soils. <i>Applied Soil Ecology</i> , 2018, 130, 251-258.	4.3	59
51	Effects of plant species on microbial biomass phosphorus and phosphatase activity in a range of grassland soils. <i>Biology and Fertility of Soils</i> , 2004, 40, 313-322.	4.3	58
52	Soil phosphorus fractionation and nutrient dynamics along the Cooloolo coastal dune chronosequence, southern Queensland, Australia. <i>Geoderma</i> , 2015, 257-258, 4-13.	5.1	57
53	Linking soil bacterial diversity to ecosystem multifunctionality using backward-elimination boosted trees analysis. <i>Journal of Soils and Sediments</i> , 2009, 9, 547-554.	3.0	54
54	Phosphatase activity in relation to key litter and soil properties in mature subtropical forests in China. <i>Science of the Total Environment</i> , 2015, 515-516, 83-91.	8.0	52

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55	Long-term frequent prescribed fire decreases surface soil carbon and nitrogen pools in a wet sclerophyll forest of Southeast Queensland, Australia. <i>Science of the Total Environment</i> , 2015, 536, 39-47.	8.0	52
56	Spatial and temporal dynamics of nutrients in riparian soils after nine years of operation of the Three Gorges Reservoir, China. <i>Science of the Total Environment</i> , 2019, 664, 841-850.	8.0	52
57	Fingerprinting Global Climate Change and Forest Management Within Rhizosphere Carbon and Nutrient Cycling Processes. <i>Environmental Science and Pollution Research</i> , 2006, 13, 293-298.	5.3	51
58	Using light fraction and macroaggregate associated organic matters as early indicators for management-induced changes in soil chemical and biological properties in adjacent native and plantation forests of subtropical Australia. <i>Geoderma</i> , 2008, 147, 116-125.	5.1	51
59	Phosphorus availability and rice grain yield in a paddy soil in response to long-term fertilization. <i>Biology and Fertility of Soils</i> , 2012, 48, 579-588.	4.3	51
60	Effects of single and mixed species forest ecosystems on diversity and function of soil microbial community in subtropical China. <i>Journal of Soils and Sediments</i> , 2012, 12, 228-240.	3.0	51
61	Soil microbial biomass during the early establishment of hoop pine plantation: seasonal variation and impacts of site preparation. <i>Forest Ecology and Management</i> , 2003, 186, 213-225.	3.2	50
62	Sediment nitrogen cycling rates and microbial abundance along a submerged vegetation gradient in a eutrophic lake. <i>Science of the Total Environment</i> , 2018, 616-617, 899-907.	8.0	49
63	A preliminary assessment of the potential of using an acacia biochar system for spent mine site rehabilitation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2138-2144.	5.3	47
64	Soil soluble organic nitrogen and active microbial characteristics under adjacent coniferous and broadleaf plantation forests. <i>Journal of Soils and Sediments</i> , 2010, 10, 748-757.	3.0	46
65	Effects of plant species on phosphorus availability in a range of grassland soils. <i>Plant and Soil</i> , 2003, 256, 115-130.	3.7	44
66	Soluble organic nitrogen pools in adjacent native and plantation forests of subtropical Australia. <i>Soil Biology and Biochemistry</i> , 2007, 39, 2723-2734.	8.8	43
67	Effects of biochar application on soil nitrogen transformation, microbial functional genes, enzyme activity, and plant nitrogen uptake: A meta-analysis of field studies. <i>GCB Bioenergy</i> , 2021, 13, 1859-1873.	5.6	43
68	Mineralisation of soil orthophosphate monoesters under pine seedlings and ryegrass. <i>Soil Research</i> , 2004, 42, 189.	1.1	41
69	Soil labile carbon and nitrogen pools and microbial metabolic diversity under winter crops in an arid environment. <i>Applied Soil Ecology</i> , 2012, 53, 49-55.	4.3	41
70	Solubility of phosphorus in subtropical forest soils as influenced by low-molecular organic acids and key soil properties. <i>Geoderma</i> , 2018, 313, 172-180.	5.1	40
71	Characterization of phosphorus availability in selected New Zealand grassland soils. <i>Nutrient Cycling in Agroecosystems</i> , 2003, 65, 89-100.	2.2	39
72	Quantification and bioavailability of scyllo-inositol hexakisphosphate in pasture soils. <i>Soil Biology and Biochemistry</i> , 2005, 37, 2155-2158.	8.8	38

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73	Effects of nitrogen fertilization on soil nitrogen pools and microbial properties in a hoop pine () Tj ETQq1 1 0.784314 rgBT /Overlock 10 Soils, 2002, 36, 276-283.	4.3	36
74	Total soluble nitrogen in forest soils as determined by persulfate oxidation and by high temperature catalytic oxidation. Soil Research, 2005, 43, 515.	1.1	36
75	Impact of global climate change and fire on the occurrence and function of understorey legumes in forest ecosystems. Journal of Soils and Sediments, 2012, 12, 150-160.	3.0	36
76	Long term repeated fire disturbance alters soil bacterial diversity but not the abundance in an Australian wet sclerophyll forest. Scientific Reports, 2016, 6, 19639.	3.3	36
77	Shifts in characteristics of the plant-soil system associated with flooding and revegetation in the riparian zone of Three Gorges Reservoir, China. Geoderma, 2020, 361, 114015.	5.1	36
78	Differences in nitrate and phosphorus export between wooded and grassed riparian zones from farmland to receiving waterways under varying rainfall conditions. Science of the Total Environment, 2017, 598, 188-197.	8.0	35
79	The stoichiometric legacy of fire regime regulates the roles of microorganisms and invertebrates in decomposition. Ecology, 2019, 100, e02732.	3.2	35
80	Behaviour and dynamics of di-ammonium phosphate in bauxite processing residue sand in Western Australia. NH3 volatilisation and residual nitrogen availability. Environmental Science and Pollution Research, 2010, 17, 1098-1109.	5.3	34
81	Soil soluble organic carbon and nitrogen pools under mono- and mixed species forest ecosystems in subtropical China. Journal of Soils and Sediments, 2010, 10, 1071-1081.	3.0	34
82	Assessment of N ₂ O emissions from a fertilised vegetable cropping soil under different plant residue management strategies using 15 N tracing techniques. Science of the Total Environment, 2017, 598, 479-487.	8.0	34
83	The Spatial Factor, Rather than Elevated CO ₂ , Controls the Soil Bacterial Community in a Temperate Forest Ecosystem. Applied and Environmental Microbiology, 2010, 76, 7429-7436.	3.1	33
84	Relationships of phosphorus fractions to organic carbon content in surface soils in mature subtropical forests, Dinghushan, China. Soil Research, 2014, 52, 55.	1.1	33
85	Biochar nutrient availability rather than its water holding capacity governs the growth of both C3 and C4 plants. Journal of Soils and Sediments, 2016, 16, 801-810.	3.0	33
86	Prescribed fire alters foliar stoichiometry and nutrient resorption in the understorey of a subtropical eucalypt forest. Plant and Soil, 2017, 410, 181-191.	3.7	33
87	Subsoil application of compost improved sugarcane yield through enhanced supply and cycling of soil labile organic carbon and nitrogen in an acidic soil at tropical Australia. Soil and Tillage Research, 2018, 180, 73-81.	5.6	33
88	On the Nature and Ecological Functions of Soil Soluble Organic Nitrogen (SON) in Forest Ecosystems. Journal of Soils and Sediments, 2006, 6, 63-66.	3.0	32
89	Nutrient Limitation on Ecosystem Productivity and Processes of Mature and Old-Growth Subtropical Forests in China. PLoS ONE, 2012, 7, e52071.	2.5	32
90	Surface charge characteristics and sorption properties of bauxite-processing residue sand. Soil Research, 2010, 48, 77.	1.1	31

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91	Precipitation overrides warming in mediating soil nitrogen pools in an alpine grassland ecosystem on the Tibetan Plateau. <i>Scientific Reports</i> , 2016, 6, 31438.	3.3	31
92	Linking feedstock and application rate of biochars to N ₂ O emission in a sandy loam soil: Potential mechanisms. <i>Geoderma</i> , 2019, 337, 880-892.	5.1	31
93	Assessing management impacts on soil organic matter quality in subtropical Australian forests using physical and chemical fractionation as well as ¹³ C NMR spectroscopy. <i>Soil Biology and Biochemistry</i> , 2009, 41, 640-650.	8.8	29
94	Responses of soil dissolved organic matter to long-term plantations of three coniferous tree species. <i>Geoderma</i> , 2012, 170, 136-143.	5.1	29
95	Dynamics of soil extractable carbon and nitrogen under different cover crop residues. <i>Journal of Soils and Sediments</i> , 2012, 12, 844-853.	3.0	28
96	Carbon/nitrogen ratio as a major factor for predicting the effects of organic wastes on soil bacterial communities assessed by DNA-based molecular techniques. <i>Environmental Science and Pollution Research</i> , 2010, 17, 807-815.	5.3	27
97	Symbiotic nitrogen fixation and soil N availability under legume crops in an arid environment. <i>Journal of Soils and Sediments</i> , 2011, 11, 762-770.	3.0	26
98	Balanced nutrient stoichiometry of organic amendments enhances carbon priming in a poorly structured sodic subsoil. <i>Soil Biology and Biochemistry</i> , 2020, 145, 107800.	8.8	26
99	Shifts in the abundance and community structure of soil ammonia oxidizers in a wet sclerophyll forest under long-term prescribed burning. <i>Science of the Total Environment</i> , 2014, 470-471, 578-586.	8.0	25
100	Uptake of organic nitrogen and preference for inorganic nitrogen by two Australian native Araucariaceae species. <i>Plant Ecology and Diversity</i> , 2015, 8, 259-264.	2.4	25
101	Responses of labile soil organic carbon and nitrogen pools to long-term prescribed burning regimes in a wet sclerophyll forest of southeast Queensland, Australia. <i>Science of the Total Environment</i> , 2019, 647, 110-120.	8.0	25
102	Soil organic matter formation is controlled by the chemistry and bioavailability of organic carbon inputs across different land uses. <i>Science of the Total Environment</i> , 2021, 770, 145307.	8.0	25
103	Effects of warming and increased precipitation on soil carbon mineralization in an Inner Mongolian grassland after 6Ayears of treatments. <i>Biology and Fertility of Soils</i> , 2012, 48, 859-866.	4.3	24
104	Appraisal of ¹⁵ N enrichment and ¹⁵ N natural abundance methods for estimating N ₂ fixation by understorey <i>Acacia leiocalyx</i> and <i>A. disparima</i> in a native forest of subtropical Australia. <i>Journal of Soils and Sediments</i> , 2012, 12, 653-662.	3.0	23
105	A novel approach of combining isotopic and geochemical signatures to differentiate the sources of sediments and particulate nutrients from different land uses. <i>Science of the Total Environment</i> , 2019, 655, 129-140.	8.0	23
106	Bioavailability and eco-toxicity of heavy metals in chars produced from municipal sewage sludge decreased during pyrolysis and hydrothermal carbonization. <i>Ecological Engineering</i> , 2021, 162, 106173.	3.6	23
107	Root, rhizosphere and root-free respiration in soils under grassland and forest plants. <i>European Journal of Soil Science</i> , 2006, 57, 58-66.	3.9	22
108	The short-term cover crops increase soil labile organic carbon in southeastern Australia. <i>Biology and Fertility of Soils</i> , 2012, 48, 239-244.	4.3	22

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109	Within-lake variability and environmental controls of sediment denitrification and associated N ₂ O production in a shallow eutrophic lake. <i>Ecological Engineering</i> , 2016, 97, 251-257.	3.6	22
110	Cadmium adsorption on bacteriaâ€“mineral mixtures: effect of naturally occurring ligands. <i>European Journal of Soil Science</i> , 2016, 67, 641-649.	3.9	22
111	Fire alters soil labile stoichiometry and litter nutrients in Australian eucalypt forests. <i>International Journal of Wildland Fire</i> , 2017, 26, 783.	2.4	22
112	High pyrolysis temperature biochars reduce nitrogen availability and nitrous oxide emissions from an acid soil. <i>GCB Bioenergy</i> , 2018, 10, 930-945.	5.6	22
113	Effects of land-use change from grassland to forest on soil sulfur and arylsulfatase activity in New Zealand. <i>Soil Research</i> , 2001, 39, 749.	1.1	21
114	Plant-available nitrogen supply from granulated biosolids: implications for land application guidelines. <i>Soil Research</i> , 2008, 46, 423.	1.1	21
115	The effect of low-molecular-weight organic acids and inorganic phosphorus concentration on the determination of soil phosphorus by the molybdenum blue reaction. <i>Biology and Fertility of Soils</i> , 2009, 45, 775-779.	4.3	21
116	Soil organic matter dynamics and nitrogen availability in response to site preparation and management during revegetation in tropical Central Queensland, Australia. <i>Journal of Soils and Sediments</i> , 2012, 12, 386-395.	3.0	21
117	Vertical Distribution of Soil Denitrifying Communities in a Wet Sclerophyll Forest under Long-Term Repeated Burning. <i>Microbial Ecology</i> , 2015, 70, 993-1003.	2.8	21
118	Soil nitrogen mineralization and fate of (15NH ₄) ₂ SO ₄ in field-incubated soil in a hardwood plantation of subtropical Australia: the effect of mulching. <i>Journal of Soils and Sediments</i> , 2008, 8, 389-397.	3.0	20
119	Aggregational differentiation of ureolytic microbes in an Ultisol under long-term organic and chemical fertilizations. <i>Science of the Total Environment</i> , 2020, 716, 137103.	8.0	20
120	Short-term effects of prescribed burning on phosphorus availability in a suburban native forest of subtropical Australia. <i>Journal of Soils and Sediments</i> , 2013, 13, 869-876.	3.0	19
121	Temporal dynamics of carbon and nitrogen in the surface soil and forest floor under different prescribed burning regimes. <i>Forest Ecology and Management</i> , 2016, 382, 110-119.	3.2	19
122	Revegetation affects soil denitrifying communities in a riparian ecotone. <i>Ecological Engineering</i> , 2017, 103, 256-263.	3.6	19
123	Non-additive effects of mixing different sources of dissolved organic matter on its biodegradation. <i>Soil Biology and Biochemistry</i> , 2014, 78, 160-169.	8.8	18
124	Rhizosphere effects on soil nutrient dynamics and microbial activity in an Australian tropical lowland rainforest. <i>Soil Research</i> , 2011, 49, 652.	1.1	17
125	Selecting a nitrogen availability index for understanding plant nutrient dynamics in rehabilitated bauxite-processing residue sand. <i>Ecological Engineering</i> , 2013, 58, 228-237.	3.6	17
126	Mineral nitrogen dynamics following soil compaction and cultivation during hoop pine plantation establishment. <i>Forest Ecology and Management</i> , 2005, 204, 131-137.	3.2	16

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127	Short-term contributions of cover crop surface residue return to soil carbon and nitrogen contents in temperate Australia. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23175-23183.	5.3	15
128	Temporal Changes Rather than Long-Term Repeated Burning Predominately Control the Shift in the Abundance of Soil Denitrifying Community in an Australian Sclerophyll Forest. <i>Microbial Ecology</i> , 2017, 73, 177-187.	2.8	15
129	Linking chemical and biochemical composition of plant materials to their effects on N ₂ O emissions from a vegetable soil. <i>Soil Biology and Biochemistry</i> , 2016, 103, 502-511.	8.8	14
130	Forms of Nitrogen Alter Plant Phosphorus Uptake and Pathways in Rehabilitated Highly Alkaline Bauxite Processing Residue Sand. <i>Land Degradation and Development</i> , 2017, 28, 628-637.	3.9	14
131	Environmental factors, but not abundance and diversity of nitrifying microorganisms, explain sediment nitrification rates in Yangtze lakes. <i>RSC Advances</i> , 2018, 8, 1875-1883.	3.6	14
132	Factors driving low oxygen conditions in integrated rice-shrimp ponds. <i>Aquaculture</i> , 2019, 512, 734315.	3.5	14
133	Rhizosphere management by biochar and leaching improved plant performance in fresh bauxite residue sand. <i>Journal of Cleaner Production</i> , 2019, 219, 66-74.	9.3	14
134	Evaluating the mechanisms of the impacts of key factors on soil soluble organic nitrogen concentrations in subtropical mountain ecosystems. <i>Science of the Total Environment</i> , 2019, 651, 2187-2196.	8.0	14
135	Biochar amendment and water stress alter rhizosphere carbon and nitrogen budgets in bauxite-processing residue sand under rehabilitation. <i>Journal of Environmental Management</i> , 2019, 230, 446-455.	7.8	14
136	Effects of amendments and fertilization on plant growth, nitrogen and phosphorus availability in rehabilitated highly alkaline bauxite-processing residue sand. <i>Soil Use and Management</i> , 2014, 30, 198-208.	4.9	13
137	Strategies to mitigate greenhouse gas emissions in intensively managed vegetable cropping systems in subtropical Australia. <i>Soil Research</i> , 2015, 53, 475.	1.1	13
138	Behaviour and dynamics of di-ammonium phosphate in bauxite processing residue sand in Western Australia—II. Phosphorus fractions and availability. <i>Environmental Science and Pollution Research</i> , 2010, 17, 1110-1118.	5.3	12
139	Forest ecosystem responses to environmental changes: the key regulatory role of biogeochemical cycling. <i>Journal of Soils and Sediments</i> , 2010, 10, 210-214.	3.0	12
140	Direct uptake and rapid decrease of organic nitrogen by <i>Wollemia nobilis</i> . <i>Biology and Fertility of Soils</i> , 2013, 49, 1247-1252.	4.3	12
141	Molecular composition of recycled organic wastes, as determined by solid-state ¹³ C NMR and elemental analyses. <i>Waste Management</i> , 2013, 33, 2157-2169.	7.4	12
142	Plant phosphorus availability index in rehabilitated bauxite-processing residue sand. <i>Plant and Soil</i> , 2014, 374, 565-578.	3.7	11
143	Plant available N supply and recalcitrant C from organic soil amendments applied to a clay loam soil have correlations with amendment chemical composition. <i>Geoderma</i> , 2017, 294, 50-62.	5.1	11
144	Soil organic matter and geochemical characteristics shape microbial community composition and structure across different land uses in an Australian wet tropical catchment. <i>Land Degradation and Development</i> , 2022, 33, 817-831.	3.9	11

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145	Genotype and slope position control on the availability of soil soluble organic nitrogen in tea plantations. <i>Biogeochemistry</i> , 2011, 103, 245-261.	3.5	10
146	Transformation and plant uptake of ¹⁵ N-labeled fertilizers mediated by ammonia-oxidizing bacteria in alkaline bauxite-processing residue sand amended with greenwaste compost. <i>Ecological Engineering</i> , 2015, 74, 68-78.	3.6	10
147	Effects of inundation and stranding on leaf litter decomposition and chemical transformation. <i>Aquatic Sciences</i> , 2018, 80, 1.	1.5	10
148	Seasonal nutrient cycling in integrated rice-shrimp ponds. <i>Marine Pollution Bulletin</i> , 2019, 149, 110647.	5.0	10
149	Stoichiometric control on riparian wetland carbon and nutrient dynamics under different land uses. <i>Science of the Total Environment</i> , 2019, 697, 134127.	8.0	10
150	Energetic efficiency and temperature sensitivity of soil heterotrophic respiration vary with decadal-scale fire history in a wet sclerophyll forest. <i>Soil Biology and Biochemistry</i> , 2019, 134, 62-71.	8.8	10
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