

Chengrong Chen

List of Publications by Year in descending order

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181
papers

8,978
citations

36203

51
h-index

54797

84
g-index

181
all docs

181
docs citations

181
times ranked

8938
citing authors

#	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.	5.8	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.	4.4	280
3	Salt-affected soils, reclamation, carbon dynamics, and biochar: a review. <i>Journal of Soils and Sediments</i> , 2016, 16, 939-953.	1.5	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.	1.2	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.	4.2	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.	2.3	209
7	Title is missing!. <i>Plant and Soil</i> , 2000, 220, 151-163.	1.8	202
8	The Australian three-dimensional soil grid: Australia's contribution to the GlobalSoilMap project. <i>Soil Research</i> , 2015, 53, 845.	0.6	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.	1.4	199
10	Effects of climate on soil phosphorus cycle and availability in natural terrestrial ecosystems. <i>Global Change Biology</i> , 2018, 24, 3344-3356.	4.2	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.	2.9	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.	1.5	170
13	Soil and Landscape Grid of Australia. <i>Soil Research</i> , 2015, 53, 835.	0.6	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.	1.4	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.	1.5	133
16	Acid transformation of bauxite residue: Conversion of its alkaline characteristics. <i>Journal of Hazardous Materials</i> , 2017, 324, 382-390.	6.5	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.	2.1	129
18	Heavy metal behaviour at mineral-organo interfaces: Mechanisms, modelling and influence factors. <i>Environment International</i> , 2019, 131, 104995.	4.8	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.	3.9	121
20	Gross nitrogen transformations in adjacent native and plantation forests of subtropical Australia. <i>Soil Biology and Biochemistry</i> , 2007, 39, 426-433.	4.2	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.	1.5	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.	4.6	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.	1.5	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.	1.3	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.	1.9	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.	3.0	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.	1.6	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.	1.4	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.	1.5	86
30	Phosphorus Speciation and Sorption–Desorption Characteristics in Heavily Manured Soils. <i>Soil Science Society of America Journal</i> , 2009, 73, 93-101.	1.2	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.	4.2	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.	2.3	80
33	Impacts of greenwaste biochar on ammonia volatilisation from bauxite processing residue sand. <i>Plant and Soil</i> , 2013, 367, 301-312.	1.8	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.	4.2	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.	1.4	76
36	Analysis and behavior of soluble organic nitrogen in forest soils. <i>Journal of Soils and Sediments</i> , 2008, 8, 363-378.	1.5	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.	1.8	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.	1.8	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.	2.3	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.	2.3	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.	1.5	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.	1.9	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.	3.7	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.	2.3	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.	3.9	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.	4.2	62
47	Latitudinal patterns of terrestrial phosphorus limitation over the globe. <i>Ecology Letters</i> , 2021, 24, 1420-1431.	3.0	62
48	High-frequency fire alters C:N:P stoichiometry in forest litter. <i>Global Change Biology</i> , 2014, 20, 2321-2331.	4.2	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.	0.6	60
50	Fungal communities and functions response to long-term fertilization in paddy soils. <i>Applied Soil Ecology</i> , 2018, 130, 251-258.	2.1	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.	2.3	58
52	Soil phosphorus fractionation and nutrient dynamics along the Cooloola coastal dune chronosequence, southern Queensland, Australia. <i>Geoderma</i> , 2015, 257-258, 4-13.	2.3	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.	1.5	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.	3.9	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.	3.9	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.	3.9	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.	2.7	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.	2.3	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.	2.3	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.	1.5	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.	1.4	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.	3.9	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.	2.7	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.	1.5	46
65	Effects of plant species on phosphorus availability in a range of grassland soils. <i>Plant and Soil</i> , 2003, 256, 115-130.	1.8	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.	4.2	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.	2.5	43
68	Mineralisation of soil orthophosphate monoesters under pine seedlings and ryegrass. <i>Soil Research</i> , 2004, 42, 189.	0.6	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.	2.1	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.	2.3	40
71	Characterization of phosphorus availability in selected New Zealand grassland soils. <i>Nutrient Cycling in Agroecosystems</i> , 2003, 65, 89-100.	1.1	39
72	Quantification and bioavailability of scyllo-inositol hexakisphosphate in pasture soils. <i>Soil Biology and Biochemistry</i> , 2005, 37, 2155-2158.	4.2	38

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73	Effects of nitrogen fertilization on soil nitrogen pools and microbial properties in a hoop pine (<i>Pinus taeda</i>) plantation. <i>Soils</i> , 2002, 36, 276-283.	2.3	36
74	Total soluble nitrogen in forest soils as determined by persulfate oxidation and by high temperature catalytic oxidation. <i>Soil Research</i> , 2005, 43, 515.	0.6	36
75	Impact of global climate change and fire on the occurrence and function of understory legumes in forest ecosystems. <i>Journal of Soils and Sediments</i> , 2012, 12, 150-160.	1.5	36
76	Long term repeated fire disturbance alters soil bacterial diversity but not the abundance in an Australian wet sclerophyll forest. <i>Scientific Reports</i> , 2016, 6, 19639.	1.6	36
77	Shifts in characteristics of the plant-soil system associated with flooding and revegetation in the riparian zone of Three Gorges Reservoir, China. <i>Geoderma</i> , 2020, 361, 114015.	2.3	36
78	Differences in nitrate and phosphorus export between wooded and grassed riparian zones from farmland to receiving waterways under varying rainfall conditions. <i>Science of the Total Environment</i> , 2017, 598, 188-197.	3.9	35
79	The stoichiometric legacy of fire regime regulates the roles of microorganisms and invertebrates in decomposition. <i>Ecology</i> , 2019, 100, e02732.	1.5	35
80	Behaviour and dynamics of di-ammonium phosphate in bauxite processing residue sand in Western Australia. <i>Environmental Science and Pollution Research</i> , 2010, 17, 1098-1109.	2.7	34
81	Soil soluble organic carbon and nitrogen pools under mono- and mixed species forest ecosystems in subtropical China. <i>Journal of Soils and Sediments</i> , 2010, 10, 1071-1081.	1.5	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. <i>Science of the Total Environment</i> , 2017, 598, 479-487.	3.9	34
83	The Spatial Factor, Rather than Elevated CO ₂ , Controls the Soil Bacterial Community in a Temperate Forest Ecosystem. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7429-7436.	1.4	33
84	Relationships of phosphorus fractions to organic carbon content in surface soils in mature subtropical forests, Dinghushan, China. <i>Soil Research</i> , 2014, 52, 55.	0.6	33
85	Biochar nutrient availability rather than its water holding capacity governs the growth of both C ₃ and C ₄ plants. <i>Journal of Soils and Sediments</i> , 2016, 16, 801-810.	1.5	33
86	Prescribed fire alters foliar stoichiometry and nutrient resorption in the understorey of a subtropical eucalypt forest. <i>Plant and Soil</i> , 2017, 410, 181-191.	1.8	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. <i>Soil and Tillage Research</i> , 2018, 180, 73-81.	2.6	33
88	On the Nature and Ecological Functions of Soil Soluble Organic Nitrogen (SON) in Forest Ecosystems. <i>Journal of Soils and Sediments</i> , 2006, 6, 63-66.	1.5	32
89	Nutrient Limitation on Ecosystem Productivity and Processes of Mature and Old-Growth Subtropical Forests in China. <i>PLoS ONE</i> , 2012, 7, e52071.	1.1	32
90	Surface charge characteristics and sorption properties of bauxite-processing residue sand. <i>Soil Research</i> , 2010, 48, 77.	0.6	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.	1.6	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.	2.3	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.	4.2	29
94	Responses of soil dissolved organic matter to long-term plantations of three coniferous tree species. <i>Geoderma</i> , 2012, 170, 136-143.	2.3	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.	1.5	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.	2.7	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.	1.5	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.	4.2	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.	3.9	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.	1.0	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.	3.9	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.	3.9	25
103	Effects of warming and increased precipitation on soil carbon mineralization in an Inner Mongolian grassland after 6 years of treatments. <i>Biology and Fertility of Soils</i> , 2012, 48, 859-866.	2.3	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. dispari</i> in a native forest of subtropical Australia. <i>Journal of Soils and Sediments</i> , 2012, 12, 653-662.	1.5	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.	3.9	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.	1.6	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.	1.8	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.	2.3	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.	1.6	22
110	Cadmium adsorption on bacteriaâ€“mineral mixtures: effect of naturally occurring ligands. <i>European Journal of Soil Science</i> , 2016, 67, 641-649.	1.8	22
111	Fire alters soil labile stoichiometry and litter nutrients in Australian eucalypt forests. <i>International Journal of Wildland Fire</i> , 2017, 26, 783.	1.0	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.	2.5	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.	0.6	21
114	Plant-available nitrogen supply from granulated biosolids: implications for land application guidelines. <i>Soil Research</i> , 2008, 46, 423.	0.6	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.	2.3	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.	1.5	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.	1.4	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.	1.5	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.	3.9	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.	1.5	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.	1.4	19
122	Revegetation affects soil denitrifying communities in a riparian ecotone. <i>Ecological Engineering</i> , 2017, 103, 256-263.	1.6	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.	4.2	18
124	Rhizosphere effects on soil nutrient dynamics and microbial activity in an Australian tropical lowland rainforest. <i>Soil Research</i> , 2011, 49, 652.	0.6	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.	1.6	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.	1.4	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.	2.7	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.	1.4	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.	4.2	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.	1.8	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.	1.7	14
132	Factors driving low oxygen conditions in integrated rice-shrimp ponds. <i>Aquaculture</i> , 2019, 512, 734315.	1.7	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.	4.6	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.	3.9	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.	3.8	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.	2.6	13
137	Strategies to mitigate greenhouse gas emissions in intensively managed vegetable cropping systems in subtropical Australia. <i>Soil Research</i> , 2015, 53, 475.	0.6	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.	2.7	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.	1.5	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.	2.3	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.	3.7	12
142	Plant phosphorus availability index in rehabilitated bauxite-processing residue sand. <i>Plant and Soil</i> , 2014, 374, 565-578.	1.8	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.	2.3	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.	1.8	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.	1.7	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.	1.6	10
147	Effects of inundation and stranding on leaf litter decomposition and chemical transformation. <i>Aquatic Sciences</i> , 2018, 80, 1.	0.6	10
148	Seasonal nutrient cycling in integrated rice-shrimp ponds. <i>Marine Pollution Bulletin</i> , 2019, 149, 110647.	2.3	10
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