

Chengrong Chen

List of Publications by Year in Descending Order

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Version: 2024-04-19

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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.

176
papers

6,329
citations

46
h-index

70
g-index

181
ext. papers

7,660
ext. citations

5.5
avg, IF

6.13
L-index

#	Paper	IF	Citations
176	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	4.4	1
175	Latitudinal patterns of terrestrial phosphorus limitation over the globe. <i>Ecology Letters</i> , 2021 , 24, 1420-1431	14.31	14
174	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	3.9	6
173	Do Soil Chemical Changes Contribute to the Dominance of Blady Grass (<i>Imperata cylindrica</i>) in Surface Fire-Affected Forests?. <i>Fire</i> , 2021 , 4, 23	2.4	2
172	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	10.2	8
171	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	5.6	4
170	Resource stoichiometry, vegetation type and enzymatic activity control wetlands soil organic carbon in the Herbert River catchment, North-east Queensland. <i>Journal of Environmental Management</i> , 2021 , 296, 113183	7.9	2
169	Long-Term Fire Regime Modifies Carbon and Nutrient Dynamics in Decomposing <i>Eucalyptus pilularis</i> Leaf Litter. <i>Frontiers in Forests and Global Change</i> , 2020 , 3,	3.7	2
168	Tracing the sources of sediment and associated particulate nitrogen from different land uses in the Johnstone River catchment, Wet Tropics, north-eastern Australia. <i>Marine Pollution Bulletin</i> , 2020 , 157, 111344	6.7	2
167	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	10.2	7
166	Global meta-analysis shows pervasive phosphorus limitation of aboveground plant production in natural terrestrial ecosystems. <i>Nature Communications</i> , 2020 , 11, 637	17.4	110
165	Balanced nutrient stoichiometry of organic amendments enhances carbon priming in a poorly structured sodic subsoil. <i>Soil Biology and Biochemistry</i> , 2020 , 145, 107800	7.5	12
164	Long-term nutrient inputs shift soil microbial functional profiles of phosphorus cycling in diverse agroecosystems. <i>ISME Journal</i> , 2020 , 14, 757-770	11.9	87
163	The multi-element stoichiometry of wet eucalypt forest is transformed by recent, frequent fire. <i>Plant and Soil</i> , 2020 , 447, 447-461	4.2	4
162	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	6.7	17
161	Stoichiometric control on riparian wetland carbon and nutrient dynamics under different land uses. <i>Science of the Total Environment</i> , 2019 , 697, 134127	10.2	7
160	The stoichiometric legacy of fire regime regulates the roles of micro-organisms and invertebrates in decomposition. <i>Ecology</i> , 2019 , 100, e02732	4.6	16

159	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	7.5	8
158	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	10.2	28
157	Rhizosphere management by biochar and leaching improved plant performance in fresh bauxite residue sand. <i>Journal of Cleaner Production</i> , 2019 , 219, 66-74	10.3	7
156	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	10.2	14
155	Factors driving low oxygen conditions in integrated rice-shrimp ponds. <i>Aquaculture</i> , 2019 , 512, 734315	4.4	8
154	Heavy metal behaviour at mineral-organo interfaces: Mechanisms, modelling and influence factors. <i>Environment International</i> , 2019 , 131, 104995	12.9	67
153	Soil quality and vegetation performance indicators for sustainable rehabilitation of bauxite residue disposal areas: a review. <i>Soil Research</i> , 2019 , 57, 419	1.8	32
152	Seasonal nutrient cycling in integrated rice-shrimp ponds. <i>Marine Pollution Bulletin</i> , 2019 , 149, 110647	6.7	5
151	Changes in bacterial community composition across natural grassland and pine forests in the Bunya Mountains in subtropical Australia. <i>Soil Research</i> , 2019 , 57, 825	1.8	2
150	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	10.2	17
149	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	6.7	17
148	Aged biochar alters nitrogen pathways in bauxite-processing residue sand: Environmental impact and biogeochemical mechanisms. <i>Environmental Pollution</i> , 2019 , 247, 438-446	9.3	6
147	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	10.2	6
146	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	7.9	8
145	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	6.5	15
144	Effects of climate on soil phosphorus cycle and availability in natural terrestrial ecosystems. <i>Global Change Biology</i> , 2018 , 24, 3344-3356	11.4	85
143	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	3.7	11
142	The phosphorus-rich signature of fire in the soil-plant system: a global meta-analysis. <i>Ecology Letters</i> , 2018 , 21, 335-344	10	54

141	Liming improves soil microbial growth, but trash blanket placement increases labile carbon and nitrogen availability in a sugarcane soil of subtropical Australia. <i>Soil Research</i> , 2018 , 56, 235	1.8	5
140	Influence of storage and drying methods on invertebrate elemental and isotopic measurements. <i>Communications in Soil Science and Plant Analysis</i> , 2018 , 49, 2231-2237	1.5	4
139	Fungal communities and functions response to long-term fertilization in paddy soils. <i>Applied Soil Ecology</i> , 2018 , 130, 251-258	5	31
138	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	10
137	Technical note: Manipulating interactions between plant stress responses and soil methane oxidation rates. <i>Biogeosciences</i> , 2018 , 15, 4125-4129	4.6	4
136	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	6.7	34
135	Effects of inundation and stranding on leaf litter decomposition and chemical transformation. <i>Aquatic Sciences</i> , 2018 , 80, 1	2.5	10
134	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	10.2	33
133	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	6.7	25
132	High-frequency fire alters soil and plant chemistry but does not lead to nitrogen-limited growth of <i>Eucalyptus pilularis</i> seedlings. <i>Plant and Soil</i> , 2018 , 432, 191-205	4.2	4
131	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	6.7	7
130	Revegetation affects soil denitrifying communities in a riparian ecotone. <i>Ecological Engineering</i> , 2017 , 103, 256-263	3.9	13
129	Assessment of NO emissions from a fertilised vegetable cropping soil under different plant residue management strategies using N tracing techniques. <i>Science of the Total Environment</i> , 2017 , 598, 479-487	10.2	25
128	Plant-Soil interaction affects the mineralization of soil organic carbon: evidence from 73-year-old plantations with three coniferous tree species in subtropical Australia. <i>Journal of Soils and Sediments</i> , 2017 , 17, 985-995	3.4	6
127	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	4.4	9
126	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	10.2	23
125	Changes in CH ₄ production during different stages of litter decomposition under inundation and N addition. <i>Journal of Soils and Sediments</i> , 2017 , 17, 949-959	3.4	2
124	Role of oxygen-containing functional groups in forest fire-generated and pyrolytic chars for immobilization of copper and nickel. <i>Environmental Pollution</i> , 2017 , 220, 946-954	9.3	6

123	Fire alters soil labile stoichiometry and litter nutrients in Australian eucalypt forests. <i>International Journal of Wildland Fire</i> , 2017 , 26, 783	3.2	15
122	Modeling the effects of tree species and incubation temperature on soil's extracellular enzyme activity in 78-year-old tree plantations. <i>Biogeosciences</i> , 2017 , 14, 5393-5402	4.6	3
121	Effect of feedstock and pyrolysis temperature on properties of biochar governing end use efficacy. <i>Biomass and Bioenergy</i> , 2017 , 105, 136-146	5.3	104
120	Vertical distribution of soil extractable organic C and N contents and total C and N stocks in 78-year-old tree plantations in subtropical Australia. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 22312-22320	5.1	3
119	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	9.3	31
118	Differential uptake of soluble organic and inorganic nitrogen by two fruit species: Dimocarpus longan Lour. and Eriobotrya japonica Lindl.. <i>Journal of Soils and Sediments</i> , 2017 , 17, 1579-1587	3.4	3
117	Acid transformation of bauxite residue: Conversion of its alkaline characteristics. <i>Journal of Hazardous Materials</i> , 2017 , 324, 382-390	12.8	91
116	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	4.4	5
115	Aged acidic biochar increases nitrogen retention and decreases ammonia volatilization in alkaline bauxite residue sand. <i>Ecological Engineering</i> , 2017 , 98, 157-165	3.9	65
114	Prescribed fire alters foliar stoichiometry and nutrient resorption in the understory of a subtropical eucalypt forest. <i>Plant and Soil</i> , 2017 , 410, 181-191	4.2	24
113	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	10.2	52
112	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	4.6	56
111	A structural equation model analysis of phosphorus transformations in global unfertilized and uncultivated soils. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 1300-1309	5.9	31
110	Cadmium adsorption on bacteria-mineral mixtures: effect of naturally occurring ligands. <i>European Journal of Soil Science</i> , 2016 , 67, 641-649	3.4	16
109	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	7.5	11
108	Precipitation overrides warming in mediating soil nitrogen pools in an alpine grassland ecosystem on the Tibetan Plateau. <i>Scientific Reports</i> , 2016 , 6, 31438	4.9	22
107	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	3.9	13
106	Biotic and abiotic controls on nitrogen leaching losses into waterways during successive bovine urine application to soil. <i>Journal of Environmental Management</i> , 2016 , 176, 11-20	7.9	5

105	Biochar nutrient availability rather than its water holding capacity governs the growth of both C3 and C4 plants. <i>Journal of Soils and Sediments</i> , 2016 , 16, 801-810	3.4	24
104	Salt-affected soils, reclamation, carbon dynamics, and biochar: a review. <i>Journal of Soils and Sediments</i> , 2016 , 16, 939-953	3.4	161
103	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	4.9	26
102	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	6.7	154
101	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	5.1	9
100	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	3.9	17
99	Shifts in leaf nitrogen to phosphorus ratio of <i>Lolium rigidum</i> grown in highly alkaline bauxite-processing residue sand with differing age of rehabilitation and amendments. <i>Ecological Indicators</i> , 2015 , 57, 32-40	5.8	7
98	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 ^{10.2}	4.1	41
97	Vertical Distribution of Soil Denitrifying Communities in a Wet Sclerophyll Forest under Long-Term Repeated Burning. <i>Microbial Ecology</i> , 2015 , 70, 993-1003	4.4	19
96	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	2.2	17
95	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	5.3	63
94	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, 2138-44	5.1	38
93	Soil phosphorus fractionation and nutrient dynamics along the Cooloola coastal dune chronosequence, southern Queensland, Australia. <i>Geoderma</i> , 2015 , 257-258, 4-13	6.7	46
92	Response of Soil Denitrifying Communities to Long-Term Prescribed Burning in Two Australian Sclerophyll Forests. <i>Geomicrobiology Journal</i> , 2015 , 32, 577-584	2.5	2
91	The Australian three-dimensional soil grid: Australia's contribution to the GlobalSoilMap project. <i>Soil Research</i> , 2015 , 53, 845	1.8	146
90	Strategies to mitigate greenhouse gas emissions in intensively managed vegetable cropping systems in subtropical Australia. <i>Soil Research</i> , 2015 , 53, 475	1.8	10
89	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	3.9	9
88	Shifts in leaf N:P stoichiometry during rehabilitation in highly alkaline bauxite processing residue sand. <i>Scientific Reports</i> , 2015 , 5, 14811	4.9	5

87	Soil and Landscape Grid of Australia. <i>Soil Research</i> , 2015 , 53, 835	1.8	117
86	Pathways of different forms of nitrogen and role of ammonia-oxidizing bacteria in alkaline residue sand from bauxite processing. <i>European Journal of Soil Science</i> , 2015 , 66, 942-950	3.4	5
85	Plant and soil $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ are linked to community biomass, litter production, and litter turnover rate in mature subtropical forests. <i>Plant Ecology</i> , 2015 , 216, 859-872	1.7	2
84	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	10.2	36
83	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	6.1	58
82	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, 578-86	10.2	17
81	Non-additive effects of mixing different sources of dissolved organic matter on its biodegradation. <i>Soil Biology and Biochemistry</i> , 2014 , 78, 160-169	7.5	15
80	Ethylene rather than dissolved organic carbon controls methane uptake in upland soils. <i>Global Change Biology</i> , 2014 , 20, 2379-80	11.4	8
79	High-frequency fire alters C : N : P stoichiometry in forest litter. <i>Global Change Biology</i> , 2014 , 20, 2321-31	11.4	44
78	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, n/a-n/a ^{3.1}		8
77	Relationships of phosphorus fractions to organic carbon content in surface soils in mature subtropical forests, Dinghushan, China. <i>Soil Research</i> , 2014 , 52, 55	1.8	22
76	Soil carbon and nitrogen dynamics in the first year following herbicide and scalping in a revegetation trial in south-east Queensland, Australia. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 5167-76	5.1	7
75	Plant phosphorus availability index in rehabilitated bauxite-processing residue sand. <i>Plant and Soil</i> , 2014 , 374, 565-578	4.2	11
74	Impacts of greenwaste biochar on ammonia volatilisation from bauxite processing residue sand. <i>Plant and Soil</i> , 2013 , 367, 301-312	4.2	62
73	Direct uptake and rapid decrease of organic nitrogen by <i>Wollemia nobilis</i> . <i>Biology and Fertility of Soils</i> , 2013 , 49, 1247-1252	6.1	7
72	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	7.5	57
71	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, 552-8	10.2	72
70	Selecting a nitrogen availability index for understanding plant nutrient dynamics in rehabilitated bauxite-processing residue sand. <i>Ecological Engineering</i> , 2013 , 58, 228-237	3.9	15

69	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	3.4	16
68	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	6.7	61
67	Molecular composition of recycled organic wastes, as determined by solid-state ¹³ C NMR and elemental analyses. <i>Waste Management</i> , 2013 , 33, 2157-69	8.6	11
66	Hot water extractable phosphorus pools as indicators of soil P responses to harvest residue management in an exotic pine plantation of subtropical Australia. <i>Journal of Soils and Sediments</i> , 2013 , 13, 1573-1578	3.4	7
65	Warming rather than increased precipitation increases soil recalcitrant organic carbon in a semiarid grassland after 6 years of treatments. <i>PLoS ONE</i> , 2013 , 8, e53761	3.7	7
64	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	7.5	65
63	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	3.4	34
62	Impact of global climate change and fire on the occurrence and function of understorey legumes in forest ecosystems. <i>Journal of Soils and Sediments</i> , 2012 , 12, 150-160	3.4	29
61	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	3.4	18
60	The short-term cover crops increase soil labile organic carbon in southeastern Australia. <i>Biology and Fertility of Soils</i> , 2012 , 48, 239-244	6.1	16
59	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	6.1	20
58	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	5	32
57	Responses of soil dissolved organic matter to long-term plantations of three coniferous tree species. <i>Geoderma</i> , 2012 , 170, 136-143	6.7	26
56	Effects of pre-planting site management on soil organic matter and microbial community functional diversity in subtropical Australia. <i>Applied Soil Ecology</i> , 2012 , 62, 31-36	5	7
55	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	4.2	52
54	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. disparimma</i> in a native forest of subtropical Australia. <i>Journal of Soils and Sediments</i> , 2012 , 12, 653-662	3.4	18
53	Dynamics of soil extractable carbon and nitrogen under different cover crop residues. <i>Journal of Soils and Sediments</i> , 2012 , 12, 844-853	3.4	21
52	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	3.4	56

51	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	6.1	33
50	Nutrient limitation on ecosystem productivity and processes of mature and old-growth subtropical forests in China. <i>PLoS ONE</i> , 2012 , 7, e52071	3.7	24
49	Genotype and slope position control on the availability of soil soluble organic nitrogen in tea plantations. <i>Biogeochemistry</i> , 2011 , 103, 245-261	3.8	10
48	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	3.4	23
47	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	3.4	103
46	Digitally mapping the information content of visible-Near infrared spectra of surficial Australian soils. <i>Remote Sensing of Environment</i> , 2011 , 115, 1443-1455	13.2	91
45	Rhizosphere effects on soil nutrient dynamics and microbial activity in an Australian tropical lowland rainforest. <i>Soil Research</i> , 2011 , 49, 652	1.8	14
44	Surface charge characteristics and sorption properties of bauxite-processing residue sand. <i>Soil Research</i> , 2010 , 48, 77	1.8	30
43	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, 7429-36	4.8	28
42	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	6.1	48
41	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, 807-15	5.1	23
40	Behaviour and dynamics of di-ammonium phosphate in bauxite processing residue sand in Western Australia--I. NH ₃ volatilisation and residual nitrogen availability. <i>Environmental Science and Pollution Research</i> , 2010 , 17, 1098-109	5.1	33
39	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, 1110-8	5.1	12
38	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	3.4	36
37	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	3.4	24
36	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	3.4	83
35	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	7.5	23
34	Linking soil bacterial diversity to ecosystem multifunctionality using backward-elimination boosted trees analysis. <i>Journal of Soils and Sediments</i> , 2009 , 9, 547-554	3.4	43

33	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	6.1	18
32	Phosphorus Speciation and Sorption-Desorption Characteristics in Heavily Manured Soils. <i>Soil Science Society of America Journal</i> , 2009 , 73, 93-101	2.5	71
31	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	7.5	56
30	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	5	105
29	Changes in soil carbon during the establishment of a hardwood plantation in subtropical Australia. <i>Forest Ecology and Management</i> , 2008 , 254, 46-55	3.9	67
28	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	3.9	136
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22	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	3.4	89
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12	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	6.1	48
11	Soil Carbon Pools in Adjacent Natural and Plantation Forests of Subtropical Australia. <i>Soil Science Society of America Journal</i> , 2004 , 68, 282-291	2.5	188
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