Hongtu Xie

List of Publications by Year
in descending order

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37 papers	1,090 citations	394421 19 h-index	414414 32 g-index
38 all docs	38 docs citations	38 times ranked	1126 citing authors

#	Article	IF	Citations
1	Long-term manure amendments enhance neutral sugar accumulation in bulk soil and particulate organic matter in a Mollisol. Soil Biology and Biochemistry, 2014, 78, 45-53.	8.8	103
2	Temporal responses of soil microorganisms to substrate addition as indicated by amino sugar differentiation. Soil Biology and Biochemistry, 2011, 43, 1155-1161.	8.8	102
3	Distribution and storage of crop residue carbon in aggregates and its contribution to organic carbon of soil with low fertility. Soil and Tillage Research, 2016, 155, 199-206.	5.6	86
4	Long-term manure amendments reduced soil aggregate stability via redistribution of the glomalin-related soil protein in macroaggregates. Scientific Reports, 2015, 5, 14687.	3.3	69
5	Carbon and nitrogen pools in different aggregates of a Chinese Mollisol as influenced by long-term fertilization. Journal of Soils and Sediments, 2010, 10, 1018-1026.	3.0	66
6	A novel GC/MS technique to assess 15N and 13C incorporation into soil amino sugars. Soil Biology and Biochemistry, 2006, 38, 1083-1091.	8.8	53
7	Determination of soil amino acids by high performance liquid chromatography-electro spray ionization-mass spectrometry derivatized with 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate. Talanta, 2009, 80, 440-447.	5.5	51
8	Dynamics of fertilizer-derived organic nitrogen fractions in an arable soil during a growing season. Plant and Soil, 2013, 373, 595-607.	3.7	51
9	High nitrogen deposition decreases the contribution of fungal residues to soil carbon pools in a tropical forest ecosystem. Soil Biology and Biochemistry, 2016, 97, 211-214.	8.8	48
10	Dynamics of soil amino sugar pools during decomposition processes of corn residues as affected by inorganic N addition. Journal of Soils and Sediments, 2010, 10, 758-766.	3.0	42
11	Differential accumulation of microbial necromass and plant lignin in synthetic versus organic fertilizer-amended soil. Soil Biology and Biochemistry, 2020, 149, 107967.	8.8	40
12	Shifts in microbial trophic strategy explain different temperature sensitivity of CO2 flux under constant and diurnally varying temperature regimes. FEMS Microbiology Ecology, 2017, 93, .	2.7	38
13	Comparison of organic compounds in the particle-size fractions of earthworm casts and surrounding soil in humid Laos. Applied Soil Ecology, 2003, 23, 147-153.	4.3	35
14	Rhizosphere effects on soil microbial community structure and enzyme activity in a successional subtropical forest. FEMS Microbiology Ecology, 2019, 95, .	2.7	34
15	Characteristics of differently stabilised soil organic carbon fractions in relation to long-term fertilisation in Brown Earth of Northeast China. Science of the Total Environment, 2016, 572, 1101-1110.	8.0	28
16	Responses of microbial residues to simulated climate change in a semiarid grassland. Science of the Total Environment, 2018, 644, 1286-1291.	8.0	27
17	Differentiating the mineralization dynamics of the originally present and newly synthesized amino acids in soil amended with available carbon and nitrogen substrates. Soil Biology and Biochemistry, 2015, 85, 162-169.	8.8	22
18	Determination of nutrients in hydroponic solutions using mid-infrared spectroscopy. Scientia Horticulturae, 2012, 144, 48-54.	3.6	20

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19	Soil type recognition as improved by genetic algorithm-based variable selection using near infrared spectroscopy and partial least squares discriminant analysis. Scientific Reports, 2015, 5, 10930.	3.3	20
20	A gas chromatographic/mass spectrometric method for tracing the microbial conversion of glucose into amino sugars in soil. Rapid Communications in Mass Spectrometry, 2005, 19, 1993-1998.	1.5	17
21	Impacts of long-term inorganic and organic fertilization on lignin in a Mollisol. Journal of Soils and Sediments, 2010, 10, 1466-1474.	3.0	17
22	Effects of no-tillage and stover mulching on the transformation and utilization of chemical fertilizer N in Northeast China. Soil and Tillage Research, 2021, 213, 105131.	5.6	17
23	Multi-Seasonal Nitrogen Recoveries from Crop Residue in Soil and Crop in a Temperate Agro-Ecosystem. PLoS ONE, 2015, 10, e0133437.	2.5	14
24	Low-disturbance farming regenerates healthy deep soil toward sustainable agriculture - Evidence from long-term no-tillage with stover mulching in Mollisols. Science of the Total Environment, 2022, 825, 153929.	8.0	14
25	Effects of biochar incorporation on soil viable and necromass carbon in the luvisol soil. Soil Use and Management, 2022, 38, 318-330.	4.9	13
26	Effects of residue mulching amounts on metabolic footprints based on production and respiration of soil nematodes in a longâ€term noâ€tillage system. Land Degradation and Development, 2021, 32, 2383-2392.	3.9	12
27	N2O Emission and Nitrification/Denitrification Bacterial Communities in Upland Black Soil under Combined Effects of Early and Immediate Moisture. Agriculture (Switzerland), 2022, 12, 330.	3.1	11
28	Crop residue application at low rates could improve soil phosphorus cycling under long-term no-tillage management. Biology and Fertility of Soils, 2021, 57, 499-511.	4.3	10
29	Effects of drying and wetting cycles on the transformations of extraneous inorganic N to soil microbial residues. Scientific Reports, 2017, 7, 9477.	3.3	8
30	Impacts of vegetation type and climatic zone on neutral sugar distribution in natural forest soils. Geoderma, 2016, 282, 139-146.	5.1	7
31	Relationships of soil physical and microbial properties with nitrous oxide emission affected by freeze-thaw event. Frontiers of Agriculture in China, 2008, 2, 290-295.	0.2	5
32	Disentangling Effects of Moisture/gas Regimes on Microbial Community, Network Configuration and Nitrogen Turnover of Black Soil. Eurasian Soil Science, 2021, 54, S42-S61.	1.6	5
33	Variations of soil viable and necromass carbon affected by biochar incorporation frequencies. Archives of Agronomy and Soil Science, 2022, 68, 1633-1644.	2.6	4
34	Response of Microbial Community to Long-Term Fertilization and Land Management in a Chinese Mollisol. , 2009, , .		0
35	Assessment of Heavy Metal Pollution in Estuarine Intertidal Sediments and Soils: A Case Study in Dalian. , 2009, , .		0
36	Labile Organic Carbon in Eroded Soil under Different Vegetation in Northwest of Liaoning Province, China. , 2009, , .		0

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37	Distribution of Amino Sugars in Mollisols in the Northeast of China. , 2009, , .		0