

Hongtu Xie

List of Publications by Year in descending order

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37
papers

1,090
citations

394421

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414414

32
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38
all docs

38
docs citations

38
times ranked

1126
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	N ₂ O 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
4	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
5	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
6	Effects of residue mulching amounts on metabolic footprints based on production and respiration of soil nematodes in a long-term no-tillage system. Land Degradation and Development, 2021, 32, 2383-2392.	3.9	12
7	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
8	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
9	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
10	Rhizosphere effects on soil microbial community structure and enzyme activity in a successional subtropical forest. FEMS Microbiology Ecology, 2019, 95, .	2.7	34
11	Responses of microbial residues to simulated climate change in a semiarid grassland. Science of the Total Environment, 2018, 644, 1286-1291.	8.0	27
12	Shifts in microbial trophic strategy explain different temperature sensitivity of CO ₂ flux under constant and diurnally varying temperature regimes. FEMS Microbiology Ecology, 2017, 93, .	2.7	38
13	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
14	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
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	Impacts of vegetation type and climatic zone on neutral sugar distribution in natural forest soils. Geoderma, 2016, 282, 139-146.	5.1	7
17	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
18	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

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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. <i>Scientific Reports</i> , 2015, 5, 10930.	3.3	20
20	Multi-Seasonal Nitrogen Recoveries from Crop Residue in Soil and Crop in a Temperate Agro-Ecosystem. <i>PLoS ONE</i> , 2015, 10, e0133437.	2.5	14
21	Differentiating the mineralization dynamics of the originally present and newly synthesized amino acids in soil amended with available carbon and nitrogen substrates. <i>Soil Biology and Biochemistry</i> , 2015, 85, 162-169.	8.8	22
22	Long-term manure amendments enhance neutral sugar accumulation in bulk soil and particulate organic matter in a Mollisol. <i>Soil Biology and Biochemistry</i> , 2014, 78, 45-53.	8.8	103
23	Dynamics of fertilizer-derived organic nitrogen fractions in an arable soil during a growing season. <i>Plant and Soil</i> , 2013, 373, 595-607.	3.7	51
24	Determination of nutrients in hydroponic solutions using mid-infrared spectroscopy. <i>Scientia Horticulturae</i> , 2012, 144, 48-54.	3.6	20
25	Temporal responses of soil microorganisms to substrate addition as indicated by amino sugar differentiation. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1155-1161.	8.8	102
26	Carbon and nitrogen pools in different aggregates of a Chinese Mollisol as influenced by long-term fertilization. <i>Journal of Soils and Sediments</i> , 2010, 10, 1018-1026.	3.0	66
27	Dynamics of soil amino sugar pools during decomposition processes of corn residues as affected by inorganic N addition. <i>Journal of Soils and Sediments</i> , 2010, 10, 758-766.	3.0	42
28	Impacts of long-term inorganic and organic fertilization on lignin in a Mollisol. <i>Journal of Soils and Sediments</i> , 2010, 10, 1466-1474.	3.0	17
29	Response of Microbial Community to Long-Term Fertilization and Land Management in a Chinese Mollisol. , 2009, , .		0
30	Assessment of Heavy Metal Pollution in Estuarine Intertidal Sediments and Soils: A Case Study in Dalian. , 2009, , .		0
31	Labile Organic Carbon in Eroded Soil under Different Vegetation in Northwest of Liaoning Province, China. , 2009, , .		0
32	Distribution of Amino Sugars in Mollisols in the Northeast of China. , 2009, , .		0
33	Determination of soil amino acids by high performance liquid chromatography-electro spray ionization-mass spectrometry derivatized with 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate. <i>Talanta</i> , 2009, 80, 440-447.	5.5	51
34	Relationships of soil physical and microbial properties with nitrous oxide emission affected by freeze-thaw event. <i>Frontiers of Agriculture in China</i> , 2008, 2, 290-295.	0.2	5
35	A novel GC/MS technique to assess ¹⁵ N and ¹³ C incorporation into soil amino sugars. <i>Soil Biology and Biochemistry</i> , 2006, 38, 1083-1091.	8.8	53
36	A gas chromatographic/mass spectrometric method for tracing the microbial conversion of glucose into amino sugars in soil. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1993-1998.	1.5	17

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37	Comparison of organic compounds in the particle-size fractions of earthworm casts and surrounding soil in humid Laos. <i>Applied Soil Ecology</i> , 2003, 23, 147-153.	4.3	35