

# Xiaobing Liu

## List of Publications by Year in descending order

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148  
papers

4,406  
citations

136950

32  
h-index

133252

59  
g-index

150  
all docs

150  
docs citations

150  
times ranked

4068  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil quality index evaluation model in responses to six-year fertilization practices in Mollisols. Archives of Agronomy and Soil Science, 2022, 68, 180-194.	2.6	15
2	Characterization on a Novel Rolled Leaves and Short Petioles Soybean Mutant Based on Seq-BSA and RNA-seq Analysis. Journal of Plant Biology, 2022, 65, 261-277.	2.1	6
3	Short-term lime application impacts microbial community composition and potential function in an acid black soil. Plant and Soil, 2022, 470, 35-50.	3.7	9
4	Biogeographic distribution patterns and assembly processes of <i>nirS</i> type and <i>nirK</i> type denitrifiers across the black soil zone in Northeast China. Soil Science Society of America Journal, 2022, 86, 1383-1396.	2.2	6
5	Liming mitigates the spread of antibiotic resistance genes in an acid black soil. Science of the Total Environment, 2022, 817, 152971.	8.0	7
6	Effect of the inlet gas volume fraction on the turbulent dissipation characteristics in the multiphase pump. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 2242-2255.	2.1	2
7	Nutritional quality of different potassium efficiency types of vegetable soybean as affected by potassium nutrition. Food Quality and Safety, 2022, 6, .	1.8	2
8	Conservation tillage regulates the assembly, network structure and ecological function of the soil bacterial community in black soils. Plant and Soil, 2022, 472, 207-223.	3.7	19
9	An Analysis on Hydraulic Loss in a Co-Rotating Bladed Disc Pump. Journal of Marine Science and Engineering, 2022, 10, 214.	2.6	3
10	Plant phosphorus acquisition links to phosphorus transformation in the rhizospheres of soybean and rice grown under CO <sub>2</sub> and temperature co-elevation. Science of the Total Environment, 2022, 823, 153558.	8.0	9
11	Stability Analysis of Vaneless Space in High-Head Pump-Turbine under Turbine Mode: Computational Fluid Dynamics Simulation and Particle Imaging Velocimetry Measurement. Machines, 2022, 10, 143.	2.2	13
12	Crop Residue Return Rather Than Organic Manure Increases Soil Aggregate Stability under Corn-Soybean Rotation in Surface Mollisols. Agriculture (Switzerland), 2022, 12, 265.	3.1	6
13	Experimental and Numerical Simulation Study on the Flow Characteristics of the Draft Tube in Francis Turbine. Machines, 2022, 10, 230.	2.2	11
14	Soil microbial metabolism on carbon and nitrogen transformation links the crop-residue contribution to soil organic carbon. Npj Biofilms and Microbiomes, 2022, 8, 14.	6.4	12
15	Warming offsets the beneficial effect of elevated CO <sub>2</sub> on maize plant-carbon accumulation in particulate organic carbon pools in a Mollisol. Catena, 2022, 213, 106219.	5.0	6
16	Archaeal communities perform an important role in maintaining microbial stability under long term continuous cropping systems. Science of the Total Environment, 2022, 838, 156413.	8.0	5
17	Fifteen years of conservation tillage increases soil aggregate stability by altering the contents and chemical composition of organic carbon fractions in Mollisols. Land Degradation and Development, 2022, 33, 2932-2944.	3.9	5
18	Development and heat transfer analysis of thermoelectric self-powered fuel-fired residential boiler. Energy Science and Engineering, 2022, 10, 3344-3357.	4.0	3

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19	Response of acidobacterial communities to 3 years of biochar addition in a black soil of northeast China. Archives of Agronomy and Soil Science, 2021, 67, 889-902.	2.6	2
20	Warming and elevated CO <sub>2</sub> interactively affect the photosynthetic carbon of maize plant retained in major farming soils. Archives of Agronomy and Soil Science, 2021, 67, 474-486.	2.6	7
21	Dramatic changes in bacterial co-occurrence patterns and keystone taxa responses to cropping systems in Mollisols of Northeast China. Archives of Agronomy and Soil Science, 2021, 67, 426-434.	2.6	5
22	Velocity characteristics in a multiphase pump under different tip clearances. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2021, 235, 454-475.	1.4	11
23	Impact of surface soil manuring on particulate carbon fractions in relevant to nutrient stoichiometry in a Mollisol profile. Soil and Tillage Research, 2021, 207, 104859.	5.6	7
24	Linking rhizospheric diazotrophs to the stimulation of soybean N <sub>2</sub> fixation in a Mollisol amended with maize straw. Plant and Soil, 2021, 463, 279-289.	3.7	6
25	Phase Distribution in the Tip Clearance of a Multiphase Pump at Multiple Operating Points and Its Effect on the Pressure Fluctuation Intensity. Processes, 2021, 9, 556.	2.8	7
26	Complete Genome Sequence of Bacillus sp. Strain IGA-FME-1, Isolated from the Bulk Soil of Maize ( Zea mays ) in Northeast China. Microbiology Resource Announcements, 2021, 10, e00610-21.	0.6	0
27	Interactive Influences of Elevated Atmospheric CO <sub>2</sub> and Temperature on Phosphorus Acquisition of Crops and its Availability in Soil: A Review. International Journal of Plant Production, 2021, 15, 173-182.	2.2	8
28	Warming rather than elevated CO <sub>2</sub> shifts the rhizobacterial community composition in four maize-growing soils. Soil Science Society of America Journal, 2021, 85, 665-676.	2.2	4
29	Effect of the Gas Volume Fraction on the Pressure Load of the Multiphase Pump Blade. Processes, 2021, 9, 650.	2.8	6
30	Reducing topsoil depth decreases the yield and nutrient uptake of maize and soybean grown in a glacial till. Land Degradation and Development, 2021, 32, 2849-2860.	3.9	13
31	Flow behaviors in a Kaplan turbine runner with different tip clearances. Advances in Mechanical Engineering, 2021, 13, 168781402110158.	1.6	4
32	Effect of the Inlet Gas Void Fraction on the Work Performance of the Multiphase Pump at Different Cavitation Stages. Processes, 2021, 9, 1006.	2.8	2
33	Flow Characteristics and Energy Loss within the Static Impeller of Multiphase Pump. Processes, 2021, 9, 1025.	2.8	5
34	Effect of Tip Clearance on Helico-Axial Flow Pump Performance at Off-Design Case. Processes, 2021, 9, 1653.	2.8	10
35	Soybean yield and quality relative to Mollisols fertility with 7-year consecutive cattle manure application under maize-soybean rotation. Land Degradation and Development, 2021, 32, 4740-4754.	3.9	6
36	Investigation of the Rheological Properties of Zn-Ferrite/Perfluoropolyether Oil-Based Ferrofluids. Nanomaterials, 2021, 11, 2653.	4.1	6

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37	Root K Affinity Drivers and Photosynthetic Characteristics in Response to Low Potassium Stress in K High-Efficiency Vegetable Soybean. <i>Frontiers in Plant Science</i> , 2021, 12, 732164.	3.6	4
38	Potential role of organic matter in the transmission of antibiotic resistance genes in black soils. <i>Ecotoxicology and Environmental Safety</i> , 2021, 227, 112946.	6.0	15
39	Particle Image Velocimetry Test for the Inter-Blade Vortex in a Francis Turbine. <i>Processes</i> , 2021, 9, 1968.	2.8	9
40	Sediment wear prediction model of ZG06Cr13Ni4Mo turbine guide vane in sediment-laden hydropower station. <i>Materials Express</i> , 2021, 11, 1866-1873.	0.5	0
41	Profiles of antibiotic resistome with animal manure application in black soils of northeast China. <i>Journal of Hazardous Materials</i> , 2020, 384, 121216.	12.4	40
42	Dry matter partitioning and K distribution of vegetable soybean genotypes with higher potassium efficiency. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 717-729.	2.6	5
43	Genome-wide identification of nonvisual opsin family reveals amplification of RPE retinal G protein receptor gene ( <i>RGR</i> ) and offers novel insights into functions of <i>RGR</i> (s) in <i>Paralichthys olivaceus</i> (Paralichthyidae, Teleostei). <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2020, 334, 25-36.	1.3	6
44	Quantitative studies of gully slope erosion and soil physiochemical properties during freeze-thaw cycling in a Mollisol region. <i>Science of the Total Environment</i> , 2020, 707, 136191.	8.0	23
45	Long-term continuous cropping of soybean is comparable to crop rotation in mediating microbial abundance, diversity and community composition. <i>Soil and Tillage Research</i> , 2020, 197, 104503.	5.6	108
46	Transcript Profile in Vegetable Soybean Roots Reveals Potential Gene Patterns Regulating K Uptake Efficiency. <i>Agronomy</i> , 2020, 10, 1796.	3.0	5
47	Humic substances and distribution in Mollisols affected by six-year organic amendments. <i>Agronomy Journal</i> , 2020, 112, 4723-4740.	1.8	10
48	Antibacterial functions of a novel fish-egg lectin from spotted knifejaw ( <i>Oplegnathus punctatus</i> ) during host defense immune responses. <i>Developmental and Comparative Immunology</i> , 2020, 111, 103758.	2.3	13
49	Investigation of the Noise Induced by Unstable Flow in a Centrifugal Pump. <i>Energies</i> , 2020, 13, 589.	3.1	12
50	Soil aggregates stability and storage of soil organic carbon respond to cropping systems on Black Soils of Northeast China. <i>Scientific Reports</i> , 2020, 10, 265.	3.3	89
51	Continuous cropping of soybean induced a more fluctuating fungal network and intensive pathogenic fungal interactions in a Mollisol of Northeast China. <i>Soil Science Society of America Journal</i> , 2020, 84, 775-783.	2.2	7
52	Changes of diazotrophic communities in response to cropping systems in a Mollisol of Northeast China. <i>PeerJ</i> , 2020, 8, e9550.	2.0	13
53	A new design way for cylindrical blades with adjustable inlet blade angles. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401983017.	1.6	1
54	The Diversity and Geographic Distribution of Cultivable Bacillus-Like Bacteria Across Black Soils of Northeast China. <i>Frontiers in Microbiology</i> , 2019, 10, 1424.	3.5	21

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55	Detection of the Flow State for a Centrifugal Pump Based on Vibration. <i>Energies</i> , 2019, 12, 3066.	3.1	16
56	<sup>13</sup> C-DNA-SIP Distinguishes the Prokaryotic Community That Metabolizes Soybean Residues Produced Under Different CO <sub>2</sub> Concentrations. <i>Frontiers in Microbiology</i> , 2019, 10, 2184.	3.5	5
57	Experimental and Numerical Analysis on Flow Characteristics in a Double Helix Screw Pump. <i>Energies</i> , 2019, 12, 3420.	3.1	8
58	Greater Anatomical Differences of Pod Ventral Suture in Shatter- $\epsilon$ Susceptible and Shatter- $\epsilon$ Resistant Soybean Cultivars. <i>Crop Science</i> , 2019, 59, 2784-2793.	1.8	7
59	Impact of elevated CO <sub>2</sub> on C:N:P ratio among soybean cultivars. <i>Science of the Total Environment</i> , 2019, 694, 133784.	8.0	14
60	Biogeographic Distribution Patterns of the Archaeal Communities Across the Black Soil Zone of Northeast China. <i>Frontiers in Microbiology</i> , 2019, 10, 23.	3.5	27
61	Transcriptome Profiling Insights the Feature of Sex Reversal Induced by High Temperature in Tongue Sole <i>Cynoglossus semilaevis</i> . <i>Frontiers in Genetics</i> , 2019, 10, 522.	2.3	34
62	A novel C-type lectin from spotted knifejaw, <i>Oplegnathus punctatus</i> possesses antibacterial and anti-inflammatory activity. <i>Fish and Shellfish Immunology</i> , 2019, 92, 11-20.	3.6	16
63	Ten-year application of cattle manure contributes to the build-up of soil organic matter in eroded Mollisols. <i>Journal of Soils and Sediments</i> , 2019, 19, 3035-3043.	3.0	7
64	Gully Erosion Induced by Snowmelt in Northeast China: A Case Study. <i>Sustainability</i> , 2019, 11, 2088.	3.2	15
65	Spotted knifejaw ( <i>Oplegnathus punctatus</i> ) MyD88: Intracellular localization, signal transduction function and immune responses to bacterial infection. <i>Fish and Shellfish Immunology</i> , 2019, 89, 719-726.	3.6	19
66	Comparative analysis of bacterial community compositions between sediment and water in different types of wetlands of northeast China. <i>Journal of Soils and Sediments</i> , 2019, 19, 3083-3097.	3.0	18
67	Distinct effects of short-term reconstructed topsoil on soya bean and corn rhizosphere bacterial abundance and communities in Chinese Mollisol. <i>Royal Society Open Science</i> , 2019, 6, 181054.	2.4	4
68	Long-term application of nitrogen, not phosphate or potassium, significantly alters the diazotrophic community compositions and structures in a Mollisol in northeast China. <i>Research in Microbiology</i> , 2019, 170, 147-155.	2.1	26
69	Gully Erosion Control Practices in Northeast China: A Review. <i>Sustainability</i> , 2019, 11, 5065.	3.2	26
70	Warming and elevated CO <sub>2</sub> alter the transcriptomic response of maize ( <i>Zea mays</i> L.) at the silking stage. <i>Scientific Reports</i> , 2019, 9, 17948.	3.3	7
71	Long-term inorganic fertilizer use influences bacterial communities in Mollisols of Northeast China based on high-throughput sequencing and network analyses. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 1331-1340.	2.6	21
72	Potassium translocation combined with specific root uptake is responsible for the high potassium efficiency in vegetable soybean. <i>Crop and Pasture Science</i> , 2019, 70, 516.	1.5	7

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73	Impact of land use, fertilization and seasonal variation on the abundance and diversity of nirS-type denitrifying bacterial communities in a Mollisol in Northeast China. <i>European Journal of Soil Biology</i> , 2018, 85, 4-11.	3.2	37
74	Long-term manure addition reduces diversity and changes community structure of diazotrophs in a neutral black soil of northeast China. <i>Journal of Soils and Sediments</i> , 2018, 18, 2053-2062.	3.0	33
75	Complete genome sequence of a novel bacteriophage infecting <i>Bradyrhizobium diazoefficiens</i> USDA110. <i>Science China Life Sciences</i> , 2018, 61, 118-121.	4.9	4
76	Elevated CO <sub>2</sub> alters the abundance but not the structure of diazotrophic community in the rhizosphere of soybean grown in a Mollisol. <i>Biology and Fertility of Soils</i> , 2018, 54, 877-881.	4.3	11
77	Impact of Elevated CO <sub>2</sub> on Seed Quality of Soybean at the Fresh Edible and Mature Stages. <i>Frontiers in Plant Science</i> , 2018, 9, 1413.	3.6	42
78	Discovery and functional characterization of microRNAs and their potential roles for gonadal development in spotted knifejaw, <i>Oplegnathus punctatus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 28, 1-8.	1.0	2
79	Characteristics of unsteady excitation induced by cavitation in axial-flow oil-gas multiphase pumps. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401877126.	1.6	12
80	Ammonia-Oxidizing Archaea Show More Distinct Biogeographic Distribution Patterns than Ammonia-Oxidizing Bacteria across the Black Soil Zone of Northeast China. <i>Frontiers in Microbiology</i> , 2018, 9, 171.	3.5	51
81	Rhizobacterial community structure in response to nitrogen addition varied between two Mollisols differing in soil organic carbon. <i>Scientific Reports</i> , 2018, 8, 12280.	3.3	8
82	tdrd1 is a germline-specific and sexually dimorphically expressed gene in <i>Paralichthys olivaceus</i> . <i>Gene</i> , 2018, 673, 61-69.	2.2	13
83	Reduced abscisic acid content is responsible for enhanced sucrose accumulation by potassium nutrition in vegetable soybean seeds. <i>Journal of Plant Research</i> , 2017, 130, 551-558.	2.4	22
84	Soil carbon sequestration and crop yield in response to application of chemical fertilizer combined with cattle manure to an artificially eroded Phaeozem. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1510-1522.	2.6	13
85	Sexually dimorphic expression in developing and adult gonads shows an important role of gonadal soma-derived factor during sex differentiation in olive flounder ( <i>Paralichthys olivaceus</i> ). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 210, 1-8.	1.6	19
86	Identification and expression of piwil2 in turbot <i>Scophthalmus maximus</i> , with implications of the involvement in embryonic and gonadal development. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 208-209, 84-93.	1.6	16
87	The fate of soybean residue-carbon links to changes of bacterial community composition in Mollisols differing in soil organic carbon. <i>Soil Biology and Biochemistry</i> , 2017, 109, 50-58.	8.8	41
88	Conversion relation of centrifugal pumps as hydraulic turbines based on the amplification coefficient. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401769620.	1.6	12
89	Comparative transcriptome analysis of ovary and testis reveals potential sex-related genes and pathways in spotted knifejaw <i>Oplegnathus punctatus</i> . <i>Gene</i> , 2017, 637, 203-210.	2.2	51
90	Quantification of ozone exposure- and stomatal uptake-yield response relationships for soybean in Northeast China. <i>Science of the Total Environment</i> , 2017, 599-600, 710-720.	8.0	25

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91	Microbial association with the dynamics of particulate organic carbon in response to the amendment of elevated CO <sub>2</sub> -derived wheat residue into a Mollisol. <i>Science of the Total Environment</i> , 2017, 607-608, 972-981.	8.0	38
92	Potassium Application Affects Key Enzyme Activities of Sucrose Metabolism during Seed Filling in Vegetable Soybean. <i>Crop Science</i> , 2017, 57, 2707-2717.	1.8	13
93	Carbon flow in the plant-soil-microbe continuum at different growth stages of maize grown in a Mollisol. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 362-374.	2.6	16
94	Elevated CO <sub>2</sub> Increases Nitrogen Fixation at the Reproductive Phase Contributing to Various Yield Responses of Soybean Cultivars. <i>Frontiers in Plant Science</i> , 2017, 8, 1546.	3.6	60
95	Elevated CO <sub>2</sub> alters distribution of nodal leaf area and enhances nitrogen uptake contributing to yield increase of soybean cultivars grown in Mollisols. <i>PLoS ONE</i> , 2017, 12, e0176688.	2.5	9
96	Effects of topography and land use change on gully development in typical Mollisol region of Northeast China. <i>Chinese Geographical Science</i> , 2016, 26, 779-788.	3.0	27
97	The distribution characteristics of the major capsid gene (g23) of T4-type phages in paddy floodwater in Northeast China. <i>Soil Science and Plant Nutrition</i> , 2016, 62, 133-139.	1.9	4
98	Narrow distribution of cyanophage psbA genes observed in two paddy waters of Northeast China by an incubation experiment. <i>Virologica Sinica</i> , 2016, 31, 188-191.	3.0	15
99	Analyzing the Effects of Climate Factors on Soybean Protein, Oil Contents, and Composition by Extensive and High-Density Sampling in China. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4121-4130.	5.2	80
100	Effectiveness of elevated CO <sub>2</sub> mediating bacterial communities in the soybean rhizosphere depends on genotypes. <i>Agriculture, Ecosystems and Environment</i> , 2016, 231, 229-232.	5.3	49
101	Novel groups of cyanobacterial podovirus DNA polymerase (<i>pol</i>) genes exist in paddy waters in northeast China. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw192.	2.7	4
102	<i>Lysinibacillus endophyticus</i> sp. nov., an indole-3-acetic acid producing endophytic bacterium isolated from corn root ( <i>Zea mays</i> cv. Xinken-5). <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 1337-1344.	1.7	16
103	Novel groups and unique distribution of phage phoH genes in paddy waters in northeast China. <i>Scientific Reports</i> , 2016, 6, 38428.	3.3	12
104	Responses of ammonia-oxidizing bacterial communities to land-use and seasonal changes in Mollisols of Northeast China. <i>European Journal of Soil Biology</i> , 2016, 74, 121-127.	3.2	6
105	Carbon input from <sup>13</sup> C-labelled soybean residues in particulate organic carbon fractions in a Mollisol. <i>Biology and Fertility of Soils</i> , 2016, 52, 331-339.	4.3	41
106	Soil nutrient variance by slope position in a Mollisol farmland area of Northeast China. <i>Chinese Geographical Science</i> , 2016, 26, 508-517.	3.0	18
107	Impact of Eight-Year Topsoil Removal and Soil Amendments on Soil Carbon Dioxide Emission in an Eroded Chinese Mollisols. <i>Agronomy Journal</i> , 2015, 107, 1280-1286.	1.8	6
108	Soil carbon content drives the biogeographical distribution of fungal communities in the black soil zone of northeast China. <i>Soil Biology and Biochemistry</i> , 2015, 83, 29-39.	8.8	272

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109	Photocatalytic activity of ion-doped ZnO powders. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 1497-1500.	2.9	1
110	Crop rotation with nine-year continuous cattle manure addition restores farmland productivity of artificially eroded Mollisols in Northeast China. Field Crops Research, 2015, 171, 138-145.	5.1	39
111	Phylogenetic Distribution of the Capsid Assembly Protein Gene ( <i>g20</i> ) of Cyanophages in Paddy Floodwaters in Northeast China. PLoS ONE, 2014, 9, e88634.	2.5	9
112	High throughput sequencing analysis of biogeographical distribution of bacterial communities in the black soils of northeast China. Soil Biology and Biochemistry, 2014, 70, 113-122.	8.8	450
113	Effects of elevated O <sub>3</sub> exposure on seed yield, N concentration and photosynthesis of nine soybean cultivars ( <i>Glycine max</i> (L.) Merr.) in Northeast China. Plant Science, 2014, 226, 172-181.	3.6	43
114	Planting Date Influences Fresh Pod Yield and Seed Chemical Compositions of Vegetable Soybean. Hortscience: A Publication of the American Society for Horticultural Science, 2014, 49, 1376-1380.	1.0	9
115	Spatial distribution of soil nutrient at depth in black soil of Northeast China: a case study of soil available potassium. Nutrient Cycling in Agroecosystems, 2013, 95, 319-331.	2.2	24
116	Response of Soil Microbial Biomass and Enzyme Activity to Soil Fertilization in an Eroded Farmland of Chinese Mollisols. Communications in Soil Science and Plant Analysis, 2013, 44, 2809-2819.	1.4	10
117	EFFECT OF PHOSPHORUS APPLICATION ON HIERARCHICAL LATERAL ROOT MORPHOLOGY AND PHOSPHORUS ACQUISITION IN SOYBEAN. Journal of Plant Nutrition, 2013, 36, 1578-1589.	1.9	8
118	Labile organic matter content and distribution as affected by six-year soil amendments to eroded Chinese mollisols. Chinese Geographical Science, 2013, 23, 692-699.	3.0	11
119	Comparison of microbial community structures in four Black soils along a climatic gradient in northeast China. Canadian Journal of Soil Science, 2012, 92, 543-549.	1.2	11
120	Overview of Mollisols in the world: Distribution, land use and management. Canadian Journal of Soil Science, 2012, 92, 383-402.	1.2	239
121	Phylogenetic diversity and assemblage of major capsid genes ( <i>g23</i> ) of T4-type bacteriophages in paddy field soils during rice growth season in Northeast China. Soil Science and Plant Nutrition, 2012, 58, 435-444.	1.9	21
122	Corn root growth and nutrient accumulation improved by five years of repeated cattle manure addition to eroded Chinese Mollisols. Canadian Journal of Soil Science, 2012, 92, 521-527.	1.2	10
123	Yield response of continuous soybean to one-season crop disturbance in a previous continuous soybean field in Northeast China. Field Crops Research, 2012, 138, 52-56.	5.1	39
124	Soil microbial communities are affected more by land use than seasonal variation in restored grassland and cultivated Mollisols in Northeast China. European Journal of Soil Biology, 2011, 47, 357-363.	3.2	29
125	Leaf Nitrogen Status as a Main Contributor to Yield Improvement of Soybean Cultivars. Agronomy Journal, 2011, 103, 441-448.	1.8	10
126	Soil erosion control practices in Northeast China: A mini-review. Soil and Tillage Research, 2011, 117, 44-48.	5.6	110



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127	Influence of topography and land management on soil nutrients variability in Northeast China. Nutrient Cycling in Agroecosystems, 2011, 89, 427-438.	2.2	84
128	Overexpression of TaNHX2 enhances salt tolerance of <i>Glycine max</i> and whole transgenic soybean plants. Plant Cell, Tissue and Organ Culture, 2011, 107, 541-552.	2.3	57
129	Molecular analysis of the major capsid genes (g23) of T4-type bacteriophages in an upland black soil in Northeast China. Biology and Fertility of Soils, 2011, 47, 273-282.	4.3	17
130	Mollisols properties and changes in Ukraine and China. Chinese Geographical Science, 2011, 21, 257-266.	3.0	21
131	Distribution, properties, land use and management of Mollisols in South America. Chinese Geographical Science, 2011, 21, 511-530.	3.0	46
132	Methanogenic archaeal communities in paddy field soils in north-east China as evaluated by PCR-DGGE, sequencing and real-time PCR analyses. Soil Science and Plant Nutrition, 2010, 56, 831-838.	1.9	20
133	Feeding China's growing needs for grain. Nature, 2010, 465, 420-420.	27.8	30
134	Genetic improvement of yield shapes the temporal and spatial root morphology of soybean ( <i>Glycine max</i> ). Plant Cell and Tissue Culture, 2010, 100, 177-188.	1.3	22
135	Agronomic and physiological contributions to the yield improvement of soybean cultivars released from 1950 to 2006 in Northeast China. Field Crops Research, 2010, 115, 116-123.	5.1	150
136	Bacterial communities in soybean rhizosphere in response to soil type, soybean genotype, and their growth stage. Soil Biology and Biochemistry, 2009, 41, 919-925.	8.8	170
137	Effect of soil type and soybean genotype on fungal community in soybean rhizosphere during reproductive growth stages. Plant and Soil, 2009, 317, 135-144.	3.7	68
138	Differentiating the early impacts of topsoil removal and soil amendments on crop performance/productivity of corn and soybean in eroded farmland of Chinese Mollisols. Field Crops Research, 2009, 111, 276-283.	5.1	48
139	Interaction Between Phosphorus Nutrition and Drought on Grain Yield, and Assimilation of Phosphorus and Nitrogen in Two Soybean Cultivars Differing in Protein Concentration in Grains. Journal of Plant Nutrition, 2006, 29, 1433-1449.	1.9	89
140	Effect of cover crop management on soil organic matter. Geoderma, 2006, 130, 229-239.	5.1	148
141	Evaluation of Parent Material Uniformity of White Clay Soils in Heilongjiang Province, China. Communications in Soil Science and Plant Analysis, 2005, 35, 1839-1850.	1.4	1
142	Physical and Chemical Characteristics of a Typical Mollisol in China. Communications in Soil Science and Plant Analysis, 2005, 35, 1829-1838.	1.4	49
143	Effects of Long-Term Continuous Cropping, Tillage, and Fertilization on Soil Organic Carbon and Nitrogen of Black Soils in China. Communications in Soil Science and Plant Analysis, 2005, 36, 1229-1239.	1.4	54
144	Responses of photosynthetic rates and yield/quality of main crops to irrigation and manure application in the black soil area of Northeast China. Plant and Soil, 2004, 261, 55-60.	3.7	29

#	ARTICLE	IF	CITATIONS
145	Physical and Chemical Characteristics of a Typical Mollisol in China. Communications in Soil Science and Plant Analysis, 2004, 35, 1829-1838.	1.4	14
146	Evaluation of Parent Material Uniformity of White Clay Soils in Heilongjiang Province, China. Communications in Soil Science and Plant Analysis, 2004, 35, 1839-1850.	1.4	9
147	Soil Organic Carbon Dynamics in Black Soils of China Under Different Agricultural Management Systems. Communications in Soil Science and Plant Analysis, 2003, 34, 973-984.	1.4	102
148	Fifteen years of research examining cultivation of continuous soybean in northeast China: A review. Field Crops Research, 2002, 79, 1-7.	5.1	97