

Xiaobing Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5128364/publications.pdf>

Version: 2024-02-01

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	High throughput sequencing analysis of biogeographical distribution of bacterial communities in the black soils of northeast China. <i>Soil Biology and Biochemistry</i> , 2014, 70, 113-122.	8.8	450
2	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
3	Overview of Mollisols in the world: Distribution, land use and management. <i>Canadian Journal of Soil Science</i> , 2012, 92, 383-402.	1.2	239
4	Bacterial communities in soybean rhizosphere in response to soil type, soybean genotype, and their growth stage. <i>Soil Biology and Biochemistry</i> , 2009, 41, 919-925.	8.8	170
5	Agronomic and physiological contributions to the yield improvement of soybean cultivars released from 1950 to 2006 in Northeast China. <i>Field Crops Research</i> , 2010, 115, 116-123.	5.1	150
6	Effect of cover crop management on soil organic matter. <i>Geoderma</i> , 2006, 130, 229-239.	5.1	148
7	Soil erosion control practices in Northeast China: A mini-review. <i>Soil and Tillage Research</i> , 2011, 117, 44-48.	5.6	110
8	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
9	Soil Organic Carbon Dynamics in Black Soils of China Under Different Agricultural Management Systems. <i>Communications in Soil Science and Plant Analysis</i> , 2003, 34, 973-984.	1.4	102
10	Fifteen years of research examining cultivation of continuous soybean in northeast China: A review. <i>Field Crops Research</i> , 2002, 79, 1-7.	5.1	97
11	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. <i>Journal of Plant Nutrition</i> , 2006, 29, 1433-1449.	1.9	89
12	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
13	Influence of topography and land management on soil nutrients variability in Northeast China. <i>Nutrient Cycling in Agroecosystems</i> , 2011, 89, 427-438.	2.2	84
14	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
15	Effect of soil type and soybean genotype on fungal community in soybean rhizosphere during reproductive growth stages. <i>Plant and Soil</i> , 2009, 317, 135-144.	3.7	68
16	Elevated CO ₂ 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
17	Overexpression of TaNHX2 enhances salt tolerance of <i>Glycine max</i> composite™ and whole transgenic soybean plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 107, 541-552.	2.3	57
18	Effects of Long-Term Continuous Cropping, Tillage, and Fertilization on Soil Organic Carbon and Nitrogen of Black Soils in China. <i>Communications in Soil Science and Plant Analysis</i> , 2005, 36, 1229-1239.	1.4	54

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Physical and Chemical Characteristics of a Typical Mollisol in China. <i>Communications in Soil Science and Plant Analysis</i> , 2005, 35, 1829-1838.	1.4	49
22	Effectiveness of elevated CO ₂ mediating bacterial communities in the soybean rhizosphere depends on genotypes. <i>Agriculture, Ecosystems and Environment</i> , 2016, 231, 229-232.	5.3	49
23	Differentiating the early impacts of topsoil removal and soil amendments on crop performance/productivity of corn and soybean in eroded farmland of Chinese Mollisols. <i>Field Crops Research</i> , 2009, 111, 276-283.	5.1	48
24	Distribution, properties, land use and management of Mollisols in South America. <i>Chinese Geographical Science</i> , 2011, 21, 511-530.	3.0	46
25	Effects of elevated O ₃ exposure on seed yield, N concentration and photosynthesis of nine soybean cultivars (<i>Glycine max</i> (L.) Merr.) in Northeast China. <i>Plant Science</i> , 2014, 226, 172-181.	3.6	43
26	Impact of Elevated CO ₂ on Seed Quality of Soybean at the Fresh Edible and Mature Stages. <i>Frontiers in Plant Science</i> , 2018, 9, 1413.	3.6	42
27	Carbon input from ¹³ 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
28	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
29	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
30	Yield response of continuous soybean to one-season crop disturbance in a previous continuous soybean field in Northeast China. <i>Field Crops Research</i> , 2012, 138, 52-56.	5.1	39
31	Crop rotation with nine-year continuous cattle manure addition restores farmland productivity of artificially eroded Mollisols in Northeast China. <i>Field Crops Research</i> , 2015, 171, 138-145.	5.1	39
32	Microbial association with the dynamics of particulate organic carbon in response to the amendment of elevated CO ₂ -derived wheat residue into a Mollisol. <i>Science of the Total Environment</i> , 2017, 607-608, 972-981.	8.0	38
33	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
34	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
35	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
36	Feeding China's growing needs for grain. <i>Nature</i> , 2010, 465, 420-420.	27.8	30

#	ARTICLE	IF	CITATIONS
37	Responses of photosynthetic rates and yield/quality of main crops to irrigation and manure application in the black soil area of Northeast China. <i>Plant and Soil</i> , 2004, 261, 55-60.	3.7	29
38	Soil microbial communities are affected more by land use than seasonal variation in restored grassland and cultivated Mollisols in Northeast China. <i>European Journal of Soil Biology</i> , 2011, 47, 357-363.	3.2	29
39	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
40	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
41	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
42	Gully Erosion Control Practices in Northeast China: A Review. <i>Sustainability</i> , 2019, 11, 5065.	3.2	26
43	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
44	Spatial distribution of soil nutrient at depth in black soil of Northeast China: a case study of soil available potassium. <i>Nutrient Cycling in Agroecosystems</i> , 2013, 95, 319-331.	2.2	24
45	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
46	Genetic improvement of yield shapes the temporal and spatial root morphology of soybean (<i>Glycine</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 177-188.	1.3	22
47	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
48	Mollisols properties and changes in Ukraine and China. <i>Chinese Geographical Science</i> , 2011, 21, 257-266.	3.0	21
49	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. <i>Soil Science and Plant Nutrition</i> , 2012, 58, 435-444.	1.9	21
50	The Diversity and Geographic Distribution of Cultivable <i>Bacillus</i> -Like Bacteria Across Black Soils of Northeast China. <i>Frontiers in Microbiology</i> , 2019, 10, 1424.	3.5	21
51	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
52	Methanogenic archaeal communities in paddy field soils in north-east China as evaluated by PCR-DGGE, sequencing and real-time PCR analyses. <i>Soil Science and Plant Nutrition</i> , 2010, 56, 831-838.	1.9	20
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Conservation tillage regulates the assembly, network structure and ecological function of the soil bacterial community in black soils. <i>Plant and Soil</i> , 2022, 472, 207-223.	3.7	19
56	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
57	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
58	Molecular analysis of the major capsid genes (g23) of T4-type bacteriophages in an upland black soil in Northeast China. <i>Biology and Fertility of Soils</i> , 2011, 47, 273-282.	4.3	17
59	<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
60	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
61	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
62	Detection of the Flow State for a Centrifugal Pump Based on Vibration. <i>Energies</i> , 2019, 12, 3066.	3.1	16
63	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
64	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
65	Gully Erosion Induced by Snowmelt in Northeast China: A Case Study. <i>Sustainability</i> , 2019, 11, 2088.	3.2	15
66	Soil quality index evaluation model in responses to six-year fertilization practices in Mollisols. <i>Archives of Agronomy and Soil Science</i> , 2022, 68, 180-194.	2.6	15
67	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
68	Impact of elevated CO ₂ on C:N:P ratio among soybean cultivars. <i>Science of the Total Environment</i> , 2019, 694, 133784.	8.0	14
69	Physical and Chemical Characteristics of a Typical Mollisol in China. <i>Communications in Soil Science and Plant Analysis</i> , 2004, 35, 1829-1838.	1.4	14
70	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
71	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
72	tldr1 is a germline-specific and sexually dimorphically expressed gene in <i>Paralichthys olivaceus</i> . <i>Gene</i> , 2018, 673, 61-69.	2.2	13

#	ARTICLE	IF	CITATIONS
73	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
74	Reducing topsoil depth decreases the yield and nutrient uptake of maize and soybean grown in a glacial till. <i>Land Degradation and Development</i> , 2021, 32, 2849-2860.	3.9	13
75	Changes of diazotrophic communities in response to cropping systems in a Mollisol of Northeast China. <i>PeerJ</i> , 2020, 8, e9550.	2.0	13
76	Stability Analysis of Vaneless Space in High-Head Pump-Turbine under Turbine Mode: Computational Fluid Dynamics Simulation and Particle Imaging Velocimetry Measurement. <i>Machines</i> , 2022, 10, 143.	2.2	13
77	Novel groups and unique distribution of phage <i>phoH</i> genes in paddy waters in northeast China. <i>Scientific Reports</i> , 2016, 6, 38428.	3.3	12
78	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
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	Investigation of the Noise Induced by Unstable Flow in a Centrifugal Pump. <i>Energies</i> , 2020, 13, 589.	3.1	12
81	Soil microbial metabolism on carbon and nitrogen transformation links the crop-residue contribution to soil organic carbon. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 14.	6.4	12
82	Comparison of microbial community structures in four Black soils along a climatic gradient in northeast China. <i>Canadian Journal of Soil Science</i> , 2012, 92, 543-549.	1.2	11
83	Labile organic matter content and distribution as affected by six-year soil amendments to eroded Chinese mollisols. <i>Chinese Geographical Science</i> , 2013, 23, 692-699.	3.0	11
84	Elevated CO ₂ 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
85	Velocity characteristics in a multiphase pump under different tip clearances. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2021, 235, 454-475.	1.4	11
86	Experimental and Numerical Simulation Study on the Flow Characteristics of the Draft Tube in Francis Turbine. <i>Machines</i> , 2022, 10, 230.	2.2	11
87	Leaf Nitrogen Status as a Main Contributor to Yield Improvement of Soybean Cultivars. <i>Agronomy Journal</i> , 2011, 103, 441-448.	1.8	10
88	Corn root growth and nutrient accumulation improved by five years of repeated cattle manure addition to eroded Chinese Mollisols. <i>Canadian Journal of Soil Science</i> , 2012, 92, 521-527.	1.2	10
89	Response of Soil Microbial Biomass and Enzyme Activity to Soil Fertilization in an Eroded Farmland of Chinese Mollisols. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 2809-2819.	1.4	10
90	Humic substances and distribution in Mollisols affected by six-year organic amendments. <i>Agronomy Journal</i> , 2020, 112, 4723-4740.	1.8	10

#	ARTICLE	IF	CITATIONS
91	Effect of Tip Clearance on Helico-Axial Flow Pump Performance at Off-Design Case. <i>Processes</i> , 2021, 9, 1653.	2.8	10
92	Phylogenetic Distribution of the Capsid Assembly Protein Gene (g20) of Cyanophages in Paddy Floodwaters in Northeast China. <i>PLoS ONE</i> , 2014, 9, e88634.	2.5	9
93	Elevated CO ₂ 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
94	Short-term lime application impacts microbial community composition and potential function in an acid black soil. <i>Plant and Soil</i> , 2022, 470, 35-50.	3.7	9
95	Evaluation of Parent Material Uniformity of White Clay Soils in Heilongjiang Province, China. <i>Communications in Soil Science and Plant Analysis</i> , 2004, 35, 1839-1850.	1.4	9
96	Planting Date Influences Fresh Pod Yield and Seed Chemical Compositions of Vegetable Soybean. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 1376-1380.	1.0	9
97	Particle Image Velocimetry Test for the Inter-Blade Vortex in a Francis Turbine. <i>Processes</i> , 2021, 9, 1968.	2.8	9
98	Plant phosphorus acquisition links to phosphorus transformation in the rhizospheres of soybean and rice grown under CO ₂ and temperature co-elevation. <i>Science of the Total Environment</i> , 2022, 823, 153558.	8.0	9
99	EFFECT OF PHOSPHORUS APPLICATION ON HIERARCHICAL LATERAL ROOT MORPHOLOGY AND PHOSPHORUS ACQUISITION IN SOYBEAN. <i>Journal of Plant Nutrition</i> , 2013, 36, 1578-1589.	1.9	8
100	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
101	Experimental and Numerical Analysis on Flow Characteristics in a Double Helix Screw Pump. <i>Energies</i> , 2019, 12, 3420.	3.1	8
102	Interactive Influences of Elevated Atmospheric CO ₂ and Temperature on Phosphorus Acquisition of Crops and its Availability in Soil: A Review. <i>International Journal of Plant Production</i> , 2021, 15, 173-182.	2.2	8
103	Greater Anatomical Differences of Pod Ventral Suture in Shatter-resistant and Shatter-resistant Soybean Cultivars. <i>Crop Science</i> , 2019, 59, 2784-2793.	1.8	7
104	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
105	Warming and elevated CO ₂ 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
106	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
107	Warming and elevated CO ₂ interactively affect the photosynthetic carbon of maize plant retained in major farming soils. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 474-486.	2.6	7
108	Impact of surface soil manuring on particulate carbon fractions in relevant to nutrient stoichiometry in a Mollisol profile. <i>Soil and Tillage Research</i> , 2021, 207, 104859.	5.6	7

#	ARTICLE	IF	CITATIONS
109	Phase Distribution in the Tip Clearance of a Multiphase Pump at Multiple Operating Points and Its Effect on the Pressure Fluctuation Intensity. <i>Processes</i> , 2021, 9, 556.	2.8	7
110	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
111	Liming mitigates the spread of antibiotic resistance genes in an acid black soil. <i>Science of the Total Environment</i> , 2022, 817, 152971.	8.0	7
112	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
113	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
114	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
115	Characterization on a Novel Rolled Leaves and Short Petioles Soybean Mutant Based on Seq-BSA and RNA-seq Analysis. <i>Journal of Plant Biology</i> , 2022, 65, 261-277.	2.1	6
116	Linking rhizospheric diazotrophs to the stimulation of soybean N ₂ fixation in a Mollisol amended with maize straw. <i>Plant and Soil</i> , 2021, 463, 279-289.	3.7	6
117	Effect of the Gas Volume Fraction on the Pressure Load of the Multiphase Pump Blade. <i>Processes</i> , 2021, 9, 650.	2.8	6
118	Soybean yield and quality relative to Mollisols fertility with 7-year consecutive cattle manure application under maize-soybean rotation. <i>Land Degradation and Development</i> , 2021, 32, 4740-4754.	3.9	6
119	Investigation of the Rheological Properties of Zn-Ferrite/Perfluoropolyether Oil-Based Ferrofluids. <i>Nanomaterials</i> , 2021, 11, 2653.	4.1	6
120	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. <i>Soil Science Society of America Journal</i> , 2022, 86, 1383-1396.	2.2	6
121	Crop Residue Return Rather Than Organic Manure Increases Soil Aggregate Stability under Corn-Soybean Rotation in Surface Mollisols. <i>Agriculture (Switzerland)</i> , 2022, 12, 265.	3.1	6
122	Warming offsets the beneficial effect of elevated CO ₂ on maize plant-carbon accumulation in particulate organic carbon pools in a Mollisol. <i>Catena</i> , 2022, 213, 106219.	5.0	6
123	¹³ C-DNA-SIP Distinguishes the Prokaryotic Community That Metabolizes Soybean Residues Produced Under Different CO ₂ Concentrations. <i>Frontiers in Microbiology</i> , 2019, 10, 2184.	3.5	5
124	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
125	Transcript Profile in Vegetable Soybean Roots Reveals Potential Gene Patterns Regulating K Uptake Efficiency. <i>Agronomy</i> , 2020, 10, 1796.	3.0	5
126	Dramatic changes in bacterial co-occurrence patterns and keystone taxa responses to cropping systems in Mollisols of Northeast China. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 426-434.	2.6	5

#	ARTICLE	IF	CITATIONS
127	Flow Characteristics and Energy Loss within the Static Impeller of Multiphase Pump. Processes, 2021, 9, 1025.	2.8	5
128	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
129	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
130	The distribution characteristics of the major capsid gene (g23) of T4-type phages in paddy floodwater in Northeast China. Soil Science and Plant Nutrition, 2016, 62, 133-139.	1.9	4
131	Novel groups of cyanobacterial podovirus DNA polymerase (<i>pol</i>) genes exist in paddy waters in northeast China. FEMS Microbiology Ecology, 2016, 92, fiw192.	2.7	4
132	Complete genome sequence of a novel bacteriophage infecting Bradyrhizobium diazoefficiens USDA110. Science China Life Sciences, 2018, 61, 118-121.	4.9	4
133	Distinct effects of short-term reconstructed topsoil on soya bean and corn rhizosphere bacterial abundance and communities in Chinese Mollisol. Royal Society Open Science, 2019, 6, 181054.	2.4	4
134	Warming rather than elevated CO ₂ shifts the rhizobacterial community composition in four maize-growing soils. Soil Science Society of America Journal, 2021, 85, 665-676.	2.2	4
135	Flow behaviors in a Kaplan turbine runner with different tip clearances. Advances in Mechanical Engineering, 2021, 13, 168781402110158.	1.6	4
136	Root K Affinity Drivers and Photosynthetic Characteristics in Response to Low Potassium Stress in K High-Efficiency Vegetable Soybean. Frontiers in Plant Science, 2021, 12, 732164.	3.6	4
137	An Analysis on Hydraulic Loss in a Co-Rotating Bladed Disc Pump. Journal of Marine Science and Engineering, 2022, 10, 214.	2.6	3
138	Development and heat transfer analysis of thermoelectric self-powered fuel-fired residential boiler. Energy Science and Engineering, 2022, 10, 3344-3357.	4.0	3
139	Discovery and functional characterization of microRNAs and their potential roles for gonadal development in spotted knifejaw, <i>Oplegnathus punctatus</i> . Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2018, 28, 1-8.	1.0	2
140	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
141	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
142	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
143	Nutritional quality of different potassium efficiency types of vegetable soybean as affected by potassium nutrition. Food Quality and Safety, 2022, 6, .	1.8	2
144	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

#	ARTICLE	IF	CITATIONS
145	Photocatalytic activity of ion-doped ZnO powders. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 1497-1500.	2.9	1
146	A new design way for cylindrical blades with adjustable inlet blade angles. Advances in Mechanical Engineering, 2019, 11, 168781401983017.	1.6	1
147	Complete Genome Sequence of Bacillus sp. Strain IGA-FME-1, Isolated from the Bulk Soil of Maize (Zea mays) Tj ETQq1	1.0784314	0
148	Sediment wear prediction model of ZG06Cr13Ni4Mo turbine guide vane in sediment-laden hydropower station. Materials Express, 2021, 11, 1866-1873.	0.5	0