Huimin Zhang

List of Publications by Year
in descending order

30 papers	1,041 citations	516710 16 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	871 citing authors

#	Article	IF	Citations
1	Organic carbon distribution and soil aggregate stability in response to long-term phosphorus addition in different land-use types. Soil and Tillage Research, 2022, 215, 105195.	5.6	24
2	Mitigation of greenhouse gas emissions from a red acidic soil by using magnesium-modified wheat straw biochar. Environmental Research, 2022, 203, 111879.	7.5	20
3	The impact of pristine and modified rice straw biochar on the emission of greenhouse gases from a red acidic soil. Environmental Research, 2022, 208, 112676.	7.5	26
4	Soil microbial biomass and extracellular enzymes regulate nitrogen mineralization in a wheat-maize cropping system after three decades of fertilization in a Chinese Ferrosol. Journal of Soils and Sediments, 2021, 21, 281-294.	3.0	12
5	Impacts of long-term inorganic and organic fertilization on phosphorus adsorption and desorption characteristics in red paddies in southern China. PLoS ONE, 2021, 16, e0246428.	2.5	14
6	Long-Term Application of Chemical and Organic Fertilizers over 35 Years Differentially Affects Interannual Variation in Soil Inorganic Phosphorus Fractions in Acidic Paddy Soil. Eurasian Soil Science, 2021, 54, 772-782.	1.6	5
7	Linkages between ecoenzymatic stoichiometry and microbial community structure under long-term fertilization in paddy soil: A case study in China. Applied Soil Ecology, 2021, 161, 103860.	4.3	17
8	Post-agricultural restoration of soil organic carbon pools across a climate gradient. Catena, 2021, 200, 105138.	5.0	8
9	Influences of Soil Bulk Density and Texture on Estimation of Surface Soil Moisture Using Spectral Feature Parameters and an Artificial Neural Network Algorithm. Agriculture (Switzerland), 2021, 11, 710.	3.1	6
10	Soil potassium regulation by changes in potassium balance and iron and aluminum oxides in paddy soils subjected to long-term fertilization regimes. Soil and Tillage Research, 2021, 214, 105168.	5.6	12
11	Long-Term Fertilization and Lime-Induced Soil pH Changes Affect Nitrogen Use Efficiency and Grain Yields in Acidic Soil under Wheat-Maize Rotation. Agronomy, 2021, 11, 2069.	3.0	13
12	Nitrogen Mineralization, Soil Microbial Biomass and Extracellular Enzyme Activities Regulated by Long-Term N Fertilizer Inputs: A Comparison Study from Upland and Paddy Soils in a Red Soil Region of China. Agronomy, 2021, 11, 2057.	3.0	13
13	Tillage practices improve rice yield and soil phosphorus fractions in two typical paddy soils. Journal of Soils and Sediments, 2020, 20, 850-861.	3.0	32
14	Yield sustainability, soil organic carbon sequestration and nutrients balance under long-term combined application of manure and inorganic fertilizers in acidic paddy soil. Soil and Tillage Research, 2020, 198, 104569.	5.6	143
15	Partial substitution of chemical fertilizers with organic amendments increased rice yield by changing phosphorus fractions and improving phosphatase activities in fluvo-aquic soil. Journal of Soils and Sediments, 2020, 20, 1285-1296.	3.0	22
16	Interaction of liming and long-term fertilization increased crop yield and phosphorus use efficiency (PUE) through mediating exchangeable cations in acidic soil under wheatâ€“maize cropping system. Scientific Reports, 2020, 10, 19828.	3.3	40
17	Depth Distribution of Bulk and Aggregate-Associated Manganese Oxides Mediated by Soil Chemical Properties in a Long-Term Fertilized Paddy Soil. Journal of Soil Science and Plant Nutrition, 2020, 20, 2631-2642.	3.4	4
18	Soil nutrients and heavy metal availability under long-term combined application of swine manure and synthetic fertilizers in acidic paddy soil. Journal of Soils and Sediments, 2020, 20, 2093-2106.	3.0	55

#	Article	IF	Citations
19	Substitution of Inorganic Nitrogen Fertilizer with Green Manure (GM) Increased Yield Stability by Improving C Input and Nitrogen Recovery Efficiency in Rice Based Cropping System. Agronomy, 2019, 9, 609.	3.0	21
20	Soil carbon (C), nitrogen (N) and phosphorus (P) stoichiometry drives phosphorus lability in paddy soil under long-term fertilization: A fractionation and path analysis study. PLoS ONE, 2019, 14, e0218195.	2.5	31
21	Changes in phosphorus fractions associated with soil chemical properties under long-term organic and inorganic fertilization in paddy soils of southern China. PLoS ONE, 2019, 14, e0216881.	2.5	97
22	Long-Term Mineral Fertilization Improved the Grain Yield and Phosphorus Use Efficiency by Changing Soil P Fractions in Ferralic Cambisol. Agronomy, 2019, 9, 784.	3.0	15
23	Long-Term Green Manure Rotations Improve Soil Biochemical Properties, Yield Sustainability and Nutrient Balances in Acidic Paddy Soil under a Rice-Based Cropping System. Agronomy, 2019, 9, 780.	3.0	17
24	The links between potassium availability and soil exchangeable calcium, magnesium, and aluminum are mediated by lime in acidic soil. Journal of Soils and Sediments, 2019, 19, 1382-1392.	3.0	34
25	Recovery of phosphorus rich krill shell biowaste for uranium immobilization: A study of sorption behavior, surface reaction, and phase transformation. Environmental Pollution, 2018, 243, 630-636.	7.5	24
26	Synthesis of FC-supported Fe through a carbothermal process for immobilizing uranium. Journal of Hazardous Materials, 2018, 357, 168-174.	12.4	22
27	Intensified soil acidification from chemical N fertilization and prevention by manure in an 18-year field experiment in the red soil of southern China. Journal of Soils and Sediments, 2015, 15, 260-270.	3.0	198
28	Rice yield, potassium uptake and apparent balance under long-term fertilization in rice-based cropping systems in southern China. Nutrient Cycling in Agroecosystems, 2010, 88, 341-349.	2.2	61
29	Effects of Inorganic Fertilizer Inputs on Grain Yields and Soil Properties in a Longâ€Term Wheatâ€“Corn Cropping System in South China. Communications in Soil Science and Plant Analysis, 2008, 39, 1583-1599.	1.4	54
30	Fertilizer combination effects on aggregate stability and distribution of aluminum and iron oxides. Journal of Plant Nutrition and Soil Science, 0, , .	1.9	1