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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	Synthesis of FC-supported Fe through a carbothermal process for immobilizing uranium. Journal of Hazardous Materials, 2018, 357, 168-174.	12.4	22
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	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
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	Post-agricultural restoration of soil organic carbon pools across a climate gradient. Catena, 2021, 200, 105138.	5.0	8
27	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
28	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
29	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
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