

Zhengyi Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4786603/publications.pdf>

Version: 2024-02-01

67
papers

1,851
citations

331538

21
h-index

289141

40
g-index

68
all docs

68
docs citations

68
times ranked

2208
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Soil water content, carbon, and nitrogen determine the abundances of methanogens, methanotrophs, and methane emission in the Zoige alpine wetland. <i>Journal of Soils and Sediments</i> , 2022, 22, 470-481. | 1.5 | 11 |
| 2 | Application of biochar-coated urea controlled loss of fertilizer nitrogen and increased nitrogen use efficiency. <i>Chemical and Biological Technologies in Agriculture</i> , 2021, 8, . | 1.9 | 31 |
| 3 | Dose-Effect Relationship of Water Salinity Levels on Osmotic Regulators, Nutrient Uptake, and Growth of Transplanting Vetiver [<i>Vetiveria zizanioides</i> (L.) Nash]. <i>Plants</i> , 2021, 10, 562. | 1.6 | 6 |
| 4 | Effects of sulfur application on cadmium accumulation in brown rice under wheat-rice rotation. <i>Environmental Pollution</i> , 2021, 287, 117601. | 3.7 | 7 |
| 5 | Effects of biochar application and irrigation rate on the soil phosphorus leaching risk of fluvisol profiles in open vegetable fields. <i>Science of the Total Environment</i> , 2021, 789, 147973. | 3.9 | 22 |
| 6 | Phosphorus accumulation poses less influence than soil physicochemical properties on organic phosphorus adsorption on ferrasol. <i>Geoderma</i> , 2021, 402, 115324. | 2.3 | 8 |
| 7 | Residual effects of sulfur application prior to oilseed rape cultivation on cadmium accumulation in brown rice under an oilseed rape-rice rotation pot experiment. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112765. | 2.9 | 6 |
| 8 | Does sulfur application continue to reduce cadmium accumulation and increase the seed yield of oilseed rape (<i>Brassica napus</i> L.) at the maturity stage?. <i>Journal of the Science of Food and Agriculture</i> , 2021, . | 1.7 | 0 |
| 9 | Preparation of a silicon-iron amendment from acid-extracted copper tailings for remediating multi-metal-contaminated soils. <i>Environmental Pollution</i> , 2020, 257, 113565. | 3.7 | 16 |
| 10 | Long-term fertilization alters microbial community but fails to reclaim soil organic carbon stocks in a land-use changed soil of the Tibetan Plateau. <i>Land Degradation and Development</i> , 2020, 31, 531-542. | 1.8 | 9 |
| 11 | Sulfur controlled cadmium dissolution in pore water of cadmium-contaminated soil as affected by DOC under waterlogging. <i>Chemosphere</i> , 2020, 240, 124846. | 4.2 | 27 |
| 12 | Effect of dietary vitamins in oral bioaccessibility of lead in contaminated soils based on the physiologically based extraction test. <i>Science of the Total Environment</i> , 2020, 747, 141299. | 3.9 | 4 |
| 13 | The Primary Drivers of Greenhouse Gas Emissions Along the Water Table Gradient in the Zoige Alpine Peatland. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1. | 1.1 | 11 |
| 14 | Preparation of biochar as a coating material for biochar-coated urea. <i>Science of the Total Environment</i> , 2020, 731, 139063. | 3.9 | 35 |
| 15 | Soil Phosphorus Fractionation as Affected by Paper Mill Biosolids Applied to Soils of Contrasting Properties. <i>Frontiers in Environmental Science</i> , 2020, 8, . | 1.5 | 6 |
| 16 | Water-soluble mercury induced by organic amendments affected microbial community assemblage in mercury-polluted paddy soil. <i>Chemosphere</i> , 2019, 236, 124405. | 4.2 | 14 |
| 17 | Influence of CaO-activated silicon-based slag amendment on the growth and heavy metal uptake of vetiver grass (<i>Vetiveria zizanioides</i>) grown in multi-metal-contaminated soils. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32243-32254. | 2.7 | 6 |
| 18 | Role of plant species and soil phosphorus concentrations in determining phosphorus: nutrient stoichiometry in leaves and fine roots. <i>Plant and Soil</i> , 2019, 445, 231-242. | 1.8 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Organic amendments affect dissolved organic matter composition and mercury dissolution in pore waters of mercury-polluted paddy soil. <i>Chemosphere</i> , 2019, 232, 356-365. | 4.2 | 29 |
| 20 | Optimization of pollutant reduction system for controlling agricultural non-point-source pollution based on grey relational analysis combined with analytic hierarchy process. <i>Journal of Environmental Management</i> , 2019, 243, 370-380. | 3.8 | 35 |
| 21 | Influence of individual and combined application of biochar, <i>Bacillus megaterium</i> , and phosphatase on phosphorus availability in calcareous soil. <i>Journal of Soils and Sediments</i> , 2019, 19, 3688-3698. | 1.5 | 11 |
| 22 | Uptake of nutrients and heavy metals in struvite recovered from a mixed wastewater of human urine and municipal sewage by two vegetables in calcareous soil. <i>Environmental Technology and Innovation</i> , 2019, 15, 100384. | 3.0 | 15 |
| 23 | Phosphorus Leaching from Soil Profiles in Agricultural and Forest Lands Measured by a Cascade Extraction Method. <i>Journal of Environmental Quality</i> , 2019, 48, 568-578. | 1.0 | 11 |
| 24 | Organic Carbon Sequestration in Soil Humic Substances As Affected by Application of Different Nitrogen Fertilizers in a Vegetable-Rotation Cropping System. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3106-3113. | 2.4 | 12 |
| 25 | Effects of sulfate on cadmium uptake in wheat grown in paddy soil - pot experiment. <i>Plant, Soil and Environment</i> , 2019, 65, 602-608. | 1.0 | 8 |
| 26 | Compositional and chemical characteristics of dissolved organic matter in various types of cropped and natural Chinese soils. <i>Chemical and Biological Technologies in Agriculture</i> , 2019, 6, . | 1.9 | 18 |
| 27 | Response of phosphorus fractions to land-use change followed by long-term fertilization in a sub-alpine humid soil of Qinghaiâ€™Tibet plateau. <i>Journal of Soils and Sediments</i> , 2019, 19, 1109-1119. | 1.5 | 9 |
| 28 | Influence of alkaline silicon-based amendment and incorporated with biochar on the growth and heavy metal translocation and accumulation of vetiver grass (<i>Vetiveria zizanioides</i>) grown in multi-metal-contaminated soils. <i>Journal of Soils and Sediments</i> , 2019, 19, 2277-2289. | 1.5 | 16 |
| 29 | Effects of microbial bioeffectors and P amendments on P forms in a maize cropped soil as evaluated by ^{31}P -NMR spectroscopy. <i>Plant and Soil</i> , 2018, 427, 87-104. | 1.8 | 21 |
| 30 | Furfuralâ€™biochar-based formulations show synergistic and potentiating effects against <i>Meloidogyne incognita</i> in tomato. <i>Journal of Pest Science</i> , 2018, 91, 203-218. | 1.9 | 9 |
| 31 | Coupling effects of pH and Mg/P ratio on P recovery from anaerobic digester supernatant by struvite formation. <i>Journal of Cleaner Production</i> , 2018, 198, 633-641. | 4.6 | 33 |
| 32 | Improvement of the quality of struvite crystals recovered from a mixture of human urine and municipal sewage via a novel two-step precipitation method. <i>Environmental Technology and Innovation</i> , 2018, 12, 80-90. | 3.0 | 12 |
| 33 | Suppression of Ammonia Volatilization from Riceâ€™Wheat Rotation Fields Amended with Controlledâ€™Release Urea and Urea. <i>Agronomy Journal</i> , 2016, 108, 1214-1224. | 0.9 | 13 |
| 34 | Estimation of Ammonia Volatilization from a Paddy Field after Application of Controlled-Release Urea Based on the Modified Jayaweeraâ€™Mikkelsen Model Combined with the Sherlockâ€™Goh Model. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 1630-1643. | 0.6 | 6 |
| 35 | Influence of Soil and Irrigation Water pH on the Availability of Phosphorus in Struvite Derived from Urine through a Greenhouse Pot Experiment. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3324-3329. | 2.4 | 20 |
| 36 | A Model of Critical Phosphorus Concentration in the Shoot Biomass of Wheat. <i>Agronomy Journal</i> , 2015, 107, 963-970. | 0.9 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Risk of phosphorus leaching from phosphorus-enriched soils in the Dianchi catchment, Southwestern China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8460-8470. | 2.7 | 27 |
| 38 | Optimized procedure for the determination of P species in soil by liquid-state ³¹ P-NMR spectroscopy. <i>Chemical and Biological Technologies in Agriculture</i> , 2015, 2, . | 1.9 | 12 |
| 39 | Effect of contact to the atmosphere and dilution on phosphorus recovery from human urine through struvite formation. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 271-277. | 1.2 | 9 |
| 40 | Phosphorus recovery from urine with different magnesium resources in an air-agitated reactor. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 2781-2787. | 1.2 | 19 |
| 41 | Effect of hydraulic retention time and seed material on phosphorus recovery and crystal size from urine in an air-agitated reactor. <i>Water Science and Technology</i> , 2014, 69, 1462-1468. | 1.2 | 8 |
| 42 | Emissions of ammonia and greenhouse gases during combined pre-composting and vermicomposting of duck manure. <i>Waste Management</i> , 2014, 34, 1546-1552. | 3.7 | 105 |
| 43 | Fate of phosphorus in diluted urine with tap water. <i>Chemosphere</i> , 2014, 113, 146-150. | 4.2 | 7 |
| 44 | Removal of fluoride and total dissolved solids from coalbed methane produced water with a movable ultra-low pressure reverse osmosis system. <i>Desalination and Water Treatment</i> , 2013, 51, 4359-4367. | 1.0 | 5 |
| 45 | Seasonal variation of microbial biomass, activity, and community structure in soil under different tillage and phosphorus management practices. <i>Biology and Fertility of Soils</i> , 2013, 49, 803-818. | 2.3 | 58 |
| 46 | Influence of process parameters on phosphorus recovery by struvite formation from urine. <i>Water Science and Technology</i> , 2013, 68, 2434-2440. | 1.2 | 32 |
| 47 | Changes in Soil Phosphorus Fractions for a Long-term Corn-Soybean Rotation with Tillage and Phosphorus Fertilization. <i>Soil Science Society of America Journal</i> , 2013, 77, 1402-1412. | 1.2 | 23 |
| 48 | Effects of warming and increased precipitation on soil carbon mineralization in an Inner Mongolian grassland after 6 years of treatments. <i>Biology and Fertility of Soils</i> , 2012, 48, 859-866. | 2.3 | 24 |
| 49 | 2-bromoethanesulfonate (BES) Enhances Sulfate-reducing Bacterial Population and Dichlorodiphenyltrichloroethane (DDT) Dechlorination in an Anaerobic Paddy Soil. <i>Soil and Sediment Contamination</i> , 2012, 21, 732-738. | 1.1 | 4 |
| 50 | An assessment of the soil microbial status after 17 years of tillage and mineral P fertilization management. <i>Applied Soil Ecology</i> , 2012, 62, 14-23. | 2.1 | 51 |
| 51 | Removal of UV254nm matter and nutrients from a photobioreactor-wetland system. <i>Journal of Hazardous Materials</i> , 2011, 194, 1-6. | 6.5 | 16 |
| 52 | The application of zero-water discharge system in treating diffuse village wastewater and its benefits in community afforestation. <i>Environmental Pollution</i> , 2011, 159, 2968-2973. | 3.7 | 9 |
| 53 | Cadmium and mercury removal from non-point source wastewater by a hybrid bioreactor. <i>Bioresource Technology</i> , 2011, 102, 9927-9932. | 4.8 | 21 |
| 54 | The removal of nutrients from non-point source wastewater by a hybrid bioreactor. <i>Bioresource Technology</i> , 2011, 102, 2419-2426. | 4.8 | 49 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | A multi-level bioreactor to remove organic matter and metals, together with its associated bacterial diversity. <i>Bioresource Technology</i> , 2011, 102, 736-741. | 4.8 | 24 |
| 56 | Eco-restoration: Simultaneous nutrient removal from soil and water in a complex residential-cropland area. <i>Environmental Pollution</i> , 2010, 158, 2472-2477. | 3.7 | 31 |
| 57 | Hierarchical eco-restoration: A systematical approach to removal of COD and dissolved nutrients from an intensive agricultural area. <i>Environmental Pollution</i> , 2010, 158, 3123-3129. | 3.7 | 23 |
| 58 | Removal of cyanobacterial bloom from a biopond-wetland system and the associated response of zoobenthic diversity. <i>Bioresource Technology</i> , 2010, 101, 3903-3908. | 4.8 | 37 |
| 59 | Effects of rice cropping intensity on soil nitrogen mineralization rate and potential in buried ancient paddy soils from the Neolithic Age in China's Yangtze River Delta. <i>Journal of Soils and Sediments</i> , 2009, 9, 526-536. | 1.5 | 4 |
| 60 | Aggregate Associated Sulfur Fractions in Long-Term (>80 Years) Fertilized Soils. <i>Soil Science Society of America Journal</i> , 2007, 71, 163-170. | 1.2 | 36 |
| 61 | Rare Earth Elements in Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 1381-1420. | 0.6 | 264 |
| 62 | Influence of nitrogen and elemental-sulfur fertilization on sulfur oxidation and mineralization in relation to soil moisture on a calcareous soil of the Inner Mongolia steppe of China. <i>Journal of Plant Nutrition and Soil Science</i> , 2005, 168, 228-232. | 1.1 | 4 |
| 63 | Physiological and Biochemical Effects of Rare Earth Elements on Plants and Their Agricultural Significance: A Review. <i>Journal of Plant Nutrition</i> , 2004, 27, 183-220. | 0.9 | 364 |
| 64 | Comparison of Mineralization and Distribution of Soil Sulfur Fractions in the Rhizosphere of Oilseed Rape and Rice. <i>Communications in Soil Science and Plant Analysis</i> , 2003, 34, 2243-2257. | 0.6 | 13 |
| 65 | Small-Scale Spatial Variability of Phosphorus in a Paddy Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2003, 34, 2791-2801. | 0.6 | 4 |
| 66 | Effect of crop growth on the distribution and mineralization of soil sulfur fractions in the rhizosphere. <i>Journal of Plant Nutrition and Soil Science</i> , 2002, 165, 249-254. | 1.1 | 20 |
| 67 | Effect of crop growth on the distribution and mineralization of soil sulfur fractions in the rhizosphere. , 2002, 165, 249. | | 1 |