# Xingchang Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7001180/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 39 papers | 1,410 citations | 430874 18 h-index | 345221 36 g-index |
| 40 all docs | 40 docs citations | 40 times ranked | 1301 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Natural grassland as the optimal pattern of vegetation restoration in arid and semi-arid regions: Evidence from nutrient limitation of soil microbes. Science of the Total Environment, 2019, 648, 388-397. | 8.0 | 164 |
| 2 | Dynamics of soil aggregate-associated organic carbon along an afforestation chronosequence. Plant and Soil, 2015, 391, 237-251. | 3.7 | 112 |
| 3 | A critical review of microplastics in the soil-plant system: Distribution, uptake, phytotoxicity and prevention. Journal of Hazardous Materials, 2022, 424, 127750. | 12.4 | 109 |
| 4 | Patterns of soil microbial nutrient limitations and their roles in the variation of soil organic carbon across a precipitation gradient in an arid and semi-arid region. Science of the Total Environment, 2019, 658, 1440-1451. | 8.0 | 108 |
| 5 | Effects of black locust (Robinia pseudoacacia) on soil properties in the loessial gully region of the Loess Plateau, China. Plant and Soil, 2010, 332, 207-217. | 3.7 | 106 |
| 6 | Soil organic carbon losses due to land use change in a semiarid grassland. Plant and Soil, 2012, 355, 299-309. | 3.7 | 96 |
| 7 | Responses of soil microbial communities to nutrient limitation in the desert-grassland ecological transition zone. Science of the Total Environment, 2018, 642, 45-55. | 8.0 | 94 |
| 8 | Responses of soil bacterial communities, enzyme activities, and nutrients to agricultural-to-natural ecosystem conversion in the Loess Plateau, China. Journal of Soils and Sediments, 2019, 19, 1427-1440. | 3.0 | 51 |
| 9 | Effects of Pisha sandstone content on solute transport in a sandy soil. Chemosphere, 2016, 144, 2214-2220. | 8.2 | 48 |
| 10 | Concentration and Potential Ecological Risk of PAHs in Different Layers of Soil in the Petroleum-Contaminated Areas of the Loess Plateau, China. International Journal of Environmental Research and Public Health, 2018, 15, 1785. | 2.6 | 46 |
| 11 | Growth, morphological and physiological responses of alfalfa (Medicago sativa) to phosphorus supply in two alkaline soils. Plant and Soil, 2017, 416, 565-584. | 3.7 | 43 |
| 12 | Impacts of coal fly ash on plant growth and accumulation of essential nutrients and trace elements by alfalfa ( Medicago sativa ) grown in a loessial soil. Journal of Environmental Management, 2017, 197, 428-439. | 7.8 | 42 |
| 13 | Effects of vegetation and physicochemical properties on solute transport in reclaimed soil at an opencast coal mine site on the Loess Plateau, China. Catena, 2015, 133, 403-411. | 5.0 | 31 |
| 14 | A review of microplastics in soil: Occurrence, analytical methods, combined contamination and risks. Environmental Pollution, 2022, 306, 119374. | 7.5 | 31 |
| 15 | Adsorption Property and Mechanism of Oxytetracycline onto Willow Residues. International Journal of Environmental Research and Public Health, 2018, 15, 8. | 2.6 | 27 |
| 16 | Applicability of five models to simulate water infiltration into soil with added biochar. Journal of Arid Land, 2017, 9, 701-711. | 2.3 | 24 |
| 17 | Effects of land-use change on soil organic carbon and nitrogen in density fractions and soil Î´13C and Î´15N in semiarid grasslands. Plant and Soil, 2015, 390, 419-430. | 3.7 | 23 |
| 18 | Effects of Vegetation Restoration on Soil Bacterial Communities, Enzyme Activities, and Nutrients of Reconstructed Soil in a Mining Area on the Loess Plateau, China. Sustainability, 2019, 11, 2295. | 3.2 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The WEPP Model Application in a Small Watershed in the Loess Plateau. PLoS ONE, 2016, 11, e0148445. | 2.5 | 19 |
| 20 | Distribution, Origins and Hazardous Effects of Polycyclic Aromatic Hydrocarbons in Topsoil Surrounding Oil Fields: A Case Study on the Loess Plateau, China. International Journal of Environmental Research and Public Health, 2020, 17, 1390. | 2.6 | 19 |
| 21 | Responses of Reactive Oxygen Scavenging Enzymes, Proline and Malondialdehyde to Water Deficits among Six Secondary Successional Seral Species in Loess Plateau. PLoS ONE, 2014, 9, e98872. | 2.5 | 19 |
| 22 | Canopy interception of apple orchards should not be ignored when assessing evapotranspiration partitioning on the <scp>Loess Plateau</scp> in <scp>C</scp>hina. Hydrological Processes, 2019, 33, 372-382. | 2.6 | 18 |
| 23 | The Interaction of Arbuscular Mycorrhizal Fungi and Phosphorus Inputs on Selenium Uptake by Alfalfa (Medicago sativa L.) and Selenium Fraction Transformation in Soil. Frontiers in Plant Science, 2020, 11, 966. | 3.6 | 18 |
| 24 | Changes of solute transport characteristics in soil profile after mining at an opencast coal mine site on the Loess Plateau, China. Science of the Total Environment, 2019, 665, 142-152. | 8.0 | 17 |
| 25 | Response of soil CO2 efflux to precipitation manipulation in a semiarid grassland. Journal of Environmental Sciences, 2016, 45, 207-214. | 6.1 | 15 |
| 26 | Phytoextraction of rhenium by lucerne (Medicago sativa) and erect milkvetch (Astragalus adsurgens) from alkaline soils amended with coal fly ash. Science of the Total Environment, 2018, 630, 570-577. | 8.0 | 15 |
| 27 | Changes in Soil Physical and Chemical Properties following Surface Mining and Reclamation. Soil Science Society of America Journal, 2016, 80, 1476-1485. | 2.2 | 14 |
| 28 | Soil Water Dynamics in Apple Orchards of Different Ages on the Loess Plateau of China. Vadose Zone Journal, 2018, 17, 1-14. | 2.2 | 14 |
| 29 | Exploring Scaleâ€Specific Controls on Soil Water Content across a 500â€Kilometer Transect Using Multivariate Empirical Mode Decomposition. Vadose Zone Journal, 2018, 17, 1-12. | 2.2 | 12 |
| 30 | Feldspathic sandstone addition and its impact on hydraulic properties of sandy soil. Canadian Journal of Soil Science, 2018, 98, 399-406. | 1.2 | 8 |
| 31 | The interaction of phosphate and selenite in alkaline soil and accumulation by alfalfa (<i>Medicago) Tj ETQq1 1 0.784314 rgBT /Overl | 2.6 | 7 |
| 32 | Influence of Humic Acid Colloid on Adsorption of Oxytetracycline in Sediment. Asian Journal of Chemistry, 2014, 26, 8303-8308. | 0.3 | 6 |
| 33 | Temporal stability of soil moisture on two transects in a desert area of northwestern China. Environmental Earth Sciences, 2016, 75, 1. | 2.7 | 6 |
| 34 | Multifractal characteristics of the pore structures of physically amended sandy soil and the relationship between soil properties and multifractal parameters. Archives of Agronomy and Soil Science, 2020, 66, 1188-1202. | 2.6 | 6 |
| 35 | Rainfall partitioning and its effects on regional water balances: Evidence from the conversion of traditional cropland to apple orchards in a semiâ€humid region. Hydrological Processes, 2020, 34, 4628-4639. | 2.6 | 6 |
| 36 | Phosphorus and selenium uptake, root morphology, and carboxylates in the rhizosheath of alfalfa (Medicago sativa) as affected by localised phosphate and selenite supply in a split-root system. Functional Plant Biology, 2021, 48, 1161-1174. | 2.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Spatial Analysis of Soil Organic Carbon in Zhifanggou Catchment of the Loess Plateau. PLoS ONE, 2013, 8, e83061. | 2.5 | 5 |
| 38 | Comparison of the accuracy of two soil moisture sensors and calibration models for different soil types on the loess plateau. Soil Use and Management, 2020, 37, 584. | 4.9 | 1 |
| 39 | Comparison of transpiration of differently aged apple orchards on the Loess Plateau of China at multiple temporal scales. Hydrological Sciences Journal, 2021, 66, 979-990. | 2.6 | 1 |