Xingchang Zhang

List of Publications by Year
in descending order

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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	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
2	A review of microplastics in soil: Occurrence, analytical methods, combined contamination and risks. Environmental Pollution, 2022, 306, 119374.	7.5	31
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Feldspathic sandstone addition and its impact on hydraulic properties of sandy soil. Canadian Journal of Soil Science, 2018, 98, 399-406.	1.2	8

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19	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
20	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
21	Adsorption Property and Mechanism of Oxytetracycline onto Willow Residues. International Journal of Environmental Research and Public Health, 2018, 15, 8.	2.6	27
22	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
23	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
24	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
25	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
26	Applicability of five models to simulate water infiltration into soil with added biochar. Journal of Arid Land, 2017, 9, 701-711.	2.3	24
27	The WEPP Model Application in a Small Watershed in the Loess Plateau. PLoS ONE, 2016, 11, e0148445.	2.5	19
28	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
29	Response of soil CO2 efflux to precipitation manipulation in a semiarid grassland. Journal of Environmental Sciences, 2016, 45, 207-214.	6.1	15
30	Temporal stability of soil moisture on two transects in a desert area of northwestern China. Environmental Earth Sciences, 2016, 75, 1.	2.7	6
31	Effects of Pisha sandstone content on solute transport in a sandy soil. Chemosphere, 2016, 144, 2214-2220.	8.2	48
32	Dynamics of soil aggregate-associated organic carbon along an afforestation chronosequence. Plant and Soil, 2015, 391, 237-251.	3.7	112
33	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
34	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
35	Influence of Humic Acid Colloid on Adsorption of Oxytetracycline in Sediment. Asian Journal of Chemistry, 2014, 26, 8303-8308.	0.3	6
36	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

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37	Spatial Analysis of Soil Organic Carbon in Zhifanggou Catchment of the Loess Plateau. PLoS ONE, 2013, 8, e83061.	2.5	5
38	Soil organic carbon losses due to land use change in a semiarid grassland. Plant and Soil, 2012, 355, 299-309.	3.7	96
39	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