

Jianguo Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

534
citations

759233

12
h-index

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23
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26
all docs

26
docs citations

26
times ranked

585
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine-scale spatial distribution of soil organic carbon and its fractions after afforestation with <i>Pinus sylvestris</i> and <i>Salix psammophila</i> in a semiarid desert of China. <i>Journal of Plant Ecology</i> , 2022, 15, 141-154.	2.3	5
2	Adsorption of cations at the illite-water interface and its effect on intrinsic potassium ions. <i>European Journal of Soil Science</i> , 2022, 73, .	3.9	7
3	Effects of <i>Artemisia ordosica</i> on fine-scale spatial distribution of soil C, N and P and physical-chemical properties in the Mu Us Desert, China. <i>Journal of Soils and Sediments</i> , 2022, 22, 172-184.	3.0	4
4	Addition of walnut shells biochar to alkaline arable soil caused contradictory effects on CO ₂ and N ₂ O emissions, nutrients availability, and enzymes activity. <i>Chemosphere</i> , 2022, 293, 133476.	8.2	12
5	Infiltration of salt solutions through illite particles: Effect of nanochannel size and cation type. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128581.	4.7	4
6	Photosynthetic Responses of Two Woody Halophyte Species to Saline Groundwater Irrigation in the Taklimakan Desert. <i>Water (Switzerland)</i> , 2022, 14, 1385.	2.7	7
7	Effect of Shelterbelt Construction on Soil Water Characteristic Curves in an Extreme Arid Shifting Desert. <i>Water (Switzerland)</i> , 2022, 14, 1803.	2.7	3
8	Long-term vegetation restoration increases deep soil carbon storage in the Northern Loess Plateau. <i>Scientific Reports</i> , 2021, 11, 13758.	3.3	54
9	Coupling of Adsorption Site and Cation Ratio Regulates the Adsorption of Cs ⁺ and Na ⁺ at the Surface of Clay Mineral. <i>Applied Clay Science</i> , 2021, 209, 106121.	5.2	11
10	Screening and Characterization of Two Extracellular Polysaccharide-Producing Bacteria from the Biocrust of the Mu Us Desert. <i>Molecules</i> , 2021, 26, 5521.	3.8	0
11	Wheat and maize-derived water-washed and unwashed biochar improved the nutrients phytoavailability and the grain and straw yield of rice and wheat: A field trial for sustainable management of paddy soils. <i>Journal of Environmental Management</i> , 2021, 297, 113250.	7.8	29
12	Long-term vegetation restoration increases carbon sequestration of different soil particles in a semi-arid desert. <i>Ecosphere</i> , 2021, 12, e03848.	2.2	6
13	Specific elevated adsorption and stability of cations in the interlayer compared with at the external surface of clay minerals. <i>Applied Clay Science</i> , 2020, 198, 105814.	5.2	20
14	Invasion of Pb ²⁺ into montmorillonite-illite clay and the response of interlayer K ⁺ and water. <i>Applied Clay Science</i> , 2020, 194, 105693.	5.2	14
15	Effects of Long-Term Vegetation Restoration on Distribution of Deep Soil Moisture in Semi-arid Northwest of China. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2123-2132.	3.4	5
16	Adsorption of Cesium at the External Surface of TOT Type Clay Mineral: Effect of the Interlayer Cation and the Hydrated State. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19540-19548.	3.1	12
17	Co-Application of Milk Tea Waste and NPK Fertilizers to Improve Sandy Soil Biochemical Properties and Wheat Growth. <i>Molecules</i> , 2019, 24, 423.	3.8	23
18	Effects of Different Biochars on Wheat Growth Parameters, Yield and Soil Fertility Status in a Silty Clay Loam Soil. <i>Molecules</i> , 2019, 24, 1798.	3.8	18

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19	Contrasting effects of banana peels waste and its biochar on greenhouse gas emissions and soil biochemical properties. <i>Chemical Engineering Research and Design</i> , 2019, 122, 366-377.	5.6	82
20	Soil aggregation formation in relation to planting time, water salinity, and species in the Taklimakan Desert Highway shelterbelt. <i>Journal of Soils and Sediments</i> , 2018, 18, 1466-1477.	3.0	7
21	Effects of straw and biochar amendments on aggregate stability, soil organic carbon, and enzyme activities in the Loess Plateau, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10108-10120.	5.3	121
22	Spatial-Temporal Distribution of Soil Salt Crusts under Saline Drip Irrigation in an Artificial Desert Highway Shelterbelt. <i>Water (Switzerland)</i> , 2016, 8, 35.	2.7	5
23	Is the Taklimakan Desert Highway Shelterbelt Sustainable to Long-Term Drip Irrigation with High Saline Groundwater?. <i>PLoS ONE</i> , 2016, 11, e0164106.	2.5	7
24	Modeling of Soil Water and Salt Dynamics and Its Effects on Root Water Uptake in Heihe Arid Wetland, Gansu, China. <i>Water (Switzerland)</i> , 2015, 7, 2382-2401.	2.7	55
25	Research on chemical characteristics of soil salt crusts with saline groundwater drip-irrigation in the Tarim Desert Highway Shelterbelt. <i>SpringerPlus</i> , 2013, 2, S5.	1.2	3
26	The salt accumulation at the shifting aeolian sandy soil surface with high salinity groundwater drip irrigation in the hinterland of the Taklimakan Desert. <i>Science Bulletin</i> , 2008, 53, 63-70.	9.0	20