Jianguo Zhang

List of Publications by Year
in descending order

26	534	759233 12	642732 23
papers	citations	h-index	g-index

26	26	26	585
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of straw and biochar amendments on aggregate stability, soil organic carbon, and enzyme activities in the Loess Plateau, China. Environmental Science and Pollution Research, 2017, 24, 10108-10120.	5.3	121
2	Contrasting effects of banana peels waste and its biochar on greenhouse gas emissions and soil biochemical properties. Chemical Engineering Research and Design, 2019, 122, 366-377.	5.6	82
3	Modeling of Soil Water and Salt Dynamics and Its Effects on Root Water Uptake in Heihe Arid Wetland, Gansu, China. Water (Switzerland), 2015, 7, 2382-2401.	2.7	55
4	Long-term vegetation restoration increases deep soil carbon storage in the Northern Loess Plateau. Scientific Reports, 2021, 11, 13758.	3.3	54
5	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. Journal of Environmental Management, 2021, 297, 113250.	7.8	29
6	Co-Application of Milk Tea Waste and NPK Fertilizers to Improve Sandy Soil Biochemical Properties and Wheat Growth. Molecules, 2019, 24, 423.	3.8	23
7	The salt accumulation at the shifting aeolian sandy soil surface with high salinity groundwater drip irrigation in the hinterland of the Taklimakan Desert. Science Bulletin, 2008, 53, 63-70.	9.0	20
8	Specific elevated adsorption and stability of cations in the interlayer compared with at the external surface of clay minerals. Applied Clay Science, 2020, 198, 105814.	5.2	20
9	Effects of Different Biochars on Wheat Growth Parameters, Yield and Soil Fertility Status in a Silty Clay Loam Soil. Molecules, 2019, 24, 1798.	3.8	18
10	Invasion of Pb2+ into montmorillonite-illite clay and the response of interlayer K+ and water. Applied Clay Science, 2020, 194, 105693.	5.2	14
11	Adsorption of Cesium at the External Surface of TOT Type Clay Mineral: Effect of the Interlayer Cation and the Hydrated State. Journal of Physical Chemistry C, 2019, 123, 19540-19548.	3.1	12
12	Addition of walnut shells biochar to alkaline arable soil caused contradictory effects on CO2 and N2O emissions, nutrients availability, and enzymes activity. Chemosphere, 2022, 293, 133476.	8.2	12
13	Coupling of Adsorption Site and Cation Ratio Regulates the Adsorption of Cs+ and Na+ at the Surface of Clay Mineral. Applied Clay Science, 2021, 209, 106121.	5.2	11
14	Soil aggregation formation in relation to planting time, water salinity, and species in the Taklimakan Desert Highway shelterbelt. Journal of Soils and Sediments, 2018, 18, 1466-1477.	3.0	7
15	Adsorption of cations at the illiteâ€“water interface and its effect on intrinsic potassium ions. European Journal of Soil Science, 2022, 73, .	3.9	7
16	Is the Taklimakan Desert Highway Shelterbelt Sustainable to Long-Term Drip Irrigation with High Saline Groundwater?. PLoS ONE, 2016, 11, e0164106.	2.5	7
17	Photosynthetic Responses of Two Woody Halophyte Species to Saline Groundwater Irrigation in the Taklimakan Desert. Water (Switzerland), 2022, 14, 1385.	2.7	7
18	Longâ€term vegetation restoration increases carbon sequestration of different soil particles in a semiâ€arid desert. Ecosphere, 2021, 12, e03848.	2.2	6

#	Article	IF	Citations
19	Spatial-Temporal Distribution of Soil Salt Crusts under Saline Drip Irrigation in an Artificial Desert Highway Shelterbelt. Water (Switzerland), 2016, 8, 35.	2.7	5
20	Effects of Long-Term Vegetation Restoration on Distribution of Deep Soil Moisture in Semi-arid Northwest of China. Journal of Soil Science and Plant Nutrition, 2020, 20, 2123-2132.	3.4	5
21	Fine-scale spatial distribution of soil organic carbon and its fractions after afforestation withPinus sylvestrisandSalix psammophilain a semiarid desert of China. Journal of Plant Ecology, 2022, 15, 141-154.	2.3	5
22	Effects of Artemisia ordosica on fine-scale spatial distribution of soil C, N and P and physicalâ€“chemical properties in the Mu Us Desert, China. Journal of Soils and Sediments, 2022, 22, 172-184.	3.0	4
23	Infiltration of salt solutions through illite particles: Effect of nanochannel size and cation type. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 641, 128581.	4.7	4
24	Research on chemical characteristics of soil salt crusts with saline groundwater drip-irrigation in the Tarim Desert Highway Shelterbelt. SpringerPlus, 2013, 2, S5.	1.2	3
25	Effect of Shelterbelt Construction on Soil Water Characteristic Curves in an Extreme Arid Shifting Desert. Water (Switzerland), 2022, 14, 1803.	2.7	3
26	Screening and Characterization of Two Extracellular Polysaccharide-Producing Bacteria from the Biocrust of the Mu Us Desert. Molecules, 2021, 26, 5521.	3.8	0