Dexiong Teng

List of Publications by Year
in descending order

15 papers	588 citations	1040056 9 h-index	1058476 14 g-index
15 all docs	15 docs citations	15 times ranked	437 citing authors

#	Article	IF	Citations
1	Rhizosphere effect alters the soil microbiome composition and C, N transformation in an arid ecosystem. Applied Soil Ecology, 2022, 170, 104296.	4.3	25
2	Updated soil salinity with fine spatial resolution and high accuracy: The synergy of Sentinel-2 MSI, environmental covariates and hybrid machine learning approaches. Catena, 2022, 212, 106054.	5.0	51
3	Anatomical structure of Nitraria spp. leaves from different habitats in Southern Xinjiang, China. Human and Ecological Risk Assessment (HERA), 2021, 27, 790-803.	3.4	0
4	Energy Balance Closure in the Tugai Forest in Ebinur Lake Basin, Northwest China. Forests, 2021, 12, 243.	2.1	3
5	Possibility of using multiscale normalized difference vegetation index data for the assessment of total suspended solids (TSS) concentrations in surface water: A specific case of scale issues in remote sensing. Environmental Research, 2021, 194, 110636.	7.5	9
6	Structure and driving factors of the soil microbial community associated with Alhagi sparsifolia in an arid desert. PLoS ONE, 2021, 16, e0254065.	2.5	14
7	Spatial non-stationarity effects of driving factors on soil respiration in an arid desert region. Catena, 2021, 207, 105617.	5.0	11
8	Machine learning-based detection of soil salinity in an arid desert region, Northwest China: A comparison between Landsat-8 OLI and Sentinel-2 MSI. Science of the Total Environment, 2020, 707, 136092.	8.0	130
9	Ensemble machine-learning-based framework for estimating total nitrogen concentration in water using drone-borne hyperspectral imagery of emergent plants: A case study in an arid oasis, NW China. Environmental Pollution, 2020, 266, 115412.	7.5	67
10	Estimating PM2.5 with high-resolution 1-km AOD data and an improved machine learning model over Shenzhen, China. Science of the Total Environment, 2020, 746, 141093.	8.0	40
11	Assessing arid Inland Lake Watershed Area and Vegetation Response to Multiple Temporal Scales of Drought Across the Ebinur Lake Watershed. Scientific Reports, 2020, 10, 1354.	3.3	18
12	Uncertainty in gap filling and estimating the annual sum of carbon dioxide exchange for the desert Tugai forest, Ebinur Lake Basin, Northwest China. PeerJ, 2020, 8, e8530.	2.0	1
13	Capability of Sentinel-2 MSI data for monitoring and mapping of soil salinity in dry and wet seasons in the Ebinur Lake region, Xinjiang, China. Geoderma, 2019, 353, 172-187.	5.1	193
14	Rhizobacterial communities of five co-occurring desert halophytes. PeerJ, 2018, 6, e5508.	2.0	16
15	Study on the Relationship between Land Transport and Economic Growth in Xinjiang. Sustainability, 2018, 10, 135.	3.2	10