

# Dexiong Teng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1793036/publications.pdf>

Version: 2024-02-01

15  
papers

588  
citations

1040056

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h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

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times ranked

437  
citing authors

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