Dan Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6681445/publications.pdf

Version: 2024-02-01

38 papers	2,361 citations	331670 21 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	3202 citing authors

#	Article	IF	Citations
1	The Effects of Freezeâ€“Thaw Cycles on Methane Emissions From Peat Soils of a High-Altitude Peatland. Frontiers in Earth Science, 2022, 10, .	1.8	5
2	Seasonal and interannual dynamics of water vapor flux at a fen in the Zoige peatlands on the Qinghaiâ€Tibetan Plateau: fourâ€year measurements. Journal of Hydrology, 2022, 612, 128058.	5.4	1
3	Methane emissions respond to soil temperature in convergent patterns but divergent sensitivities across wetlands along altitude. Global Change Biology, 2021, 27, 941-955.	9.5	10
4	Methane emissions during different freezing-thawing periods from a fen on the Qinghai-Tibetan Plateau: Four years of measurements. Agricultural and Forest Meteorology, 2021, 297, 108279.	4.8	16
5	Effect of Grazing Intensities on Soil N2O Emissions from an Alpine Meadow of Zoige Plateau in China. Atmosphere, 2021, 12, 541.	2.3	7
6	How do water table drawdown, duration of drainage, and warming influence greenhouse gas emissions from drained peatlands of the Zoige Plateau?. Land Degradation and Development, 2021, 32, 3351-3364.	3.9	11
7	Structure and distribution of nitrite-dependent anaerobic methane oxidation bacteria vary with water tables in Zoige peatlands. FEMS Microbiology Ecology, 2020, 96, .	2.7	14
8	Assessment of frozen ground organic carbon pool on the Qinghai-Tibet Plateau. Journal of Soils and Sediments, 2019, 19, 128-139.	3.0	18
9	Fiveâ€Year Measurements of Net Ecosystem CO₂ Exchange at a Fen in the Zoige Peatlands on the Qinghaiâ€Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11803-11818.	3.3	22
10	Holocene peatland development and carbon stock of Zoige peatlands, Tibetan Plateau: a modeling approach. Journal of Soils and Sediments, 2018, 18, 2032-2043.	3.0	5
11	Environmental factors driving fungal distribution in freshwater lake sediments across the Headwater Region of the Yellow River, China. Scientific Reports, 2018, 8, 3768.	3.3	30
12	Protein-mimicking nanoparticle (Protmin)-based nanosensor for intracellular analysis of metal ions. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	8
13	Multiple Amplified Electrochemical Detection of MicroRNAâ€21 Using Hierarchical Flowerâ€like Gold Nanostructures Combined with Goldâ€enriched Hybridization Chain Reaction. Electroanalysis, 2018, 30, 1349-1356.	2.9	23
14	Water table drawdown shapes the depth-dependent variations in prokaryotic diversity and structure in Zoige peatlands. FEMS Microbiology Ecology, 2017, 93, .	2.7	33
15	An Exonuclease IIIâ€Powered, Onâ€Particle Stochastic DNA Walker. Angewandte Chemie, 2017, 129, 1881-1884.	2.0	252
16	Qinghaiâ€“tibetan plateau peatland sustainable utilization under anthropogenic disturbances and climate change. Ecosystem Health and Sustainability, 2017, 3, .	3.1	40
17	A Surfaceâ€Confined Protonâ€Driven DNA Pump Using a Dynamic 3D DNA Scaffold. Advanced Materials, 2016, 28, 6860-6865.	21.0	79
18	Archaeal communities in the sediments of different mangrove stands at Dongzhaigang, China. Journal of Soils and Sediments, 2016, 16, 1995-2004.	3.0	18

#	Article	IF	Citations
19	Soil properties and species composition under different grazing intensity in an alpine meadow on the eastern Tibetan Plateau, China. Environmental Monitoring and Assessment, 2016, 188, 678.	2.7	31
20	Responses of peat carbon at different depths to simulated warming and oxidizing. Science of the Total Environment, 2016, 548-549, 429-440.	8.0	32
21	Intense methane ebullition from open water area of a shallow peatland lake on the eastern Tibetan Plateau. Science of the Total Environment, 2016, 542, 57-64.	8.0	30
22	DNA nanotechnology-enabled biosensors. Biosensors and Bioelectronics, 2016, 76, 68-79.	10.1	147
23	A comparative study of daytime-based methane emission from two wetlands of Nepal Himalaya. Atmospheric Environment, 2015, 106, 196-203.	4.1	5
24	A novel ultrasensitive electrochemical DNA sensor based on double tetrahedral nanostructures. Biosensors and Bioelectronics, 2015, 71, 434-438.	10.1	61
25	Rare Earth Core/Shell Nanobarcodes for Multiplexed Trace Biodetection. Analytical Chemistry, 2015, 87, 5745-5752.	6.5	19
26	Clicking DNA to gold nanoparticles: poly-adenine-mediated formation of monovalent DNA-gold nanoparticle conjugates with nearly quantitative yield. NPG Asia Materials, 2015, 7, e159-e159.	7.9	107
27	Poly-adenine-based programmable engineering of gold nanoparticles for highly regulated spherical DNAzymes. Nanoscale, 2015, 7, 18671-18676.	5.6	38
28	Effects of soil warming, rainfall reduction and water table level on CH 4 emissions from the Zoige peatland in China. Soil Biology and Biochemistry, 2014, 78, 83-89.	8.8	104
29	The carbon stock of alpine peatlands on the Qinghaiâ€“Tibetan Plateau during the Holocene and their future fate. Quaternary Science Reviews, 2014, 95, 151-158.	3.0	118
30	The impacts of climate change and human activities on biogeochemical cycles on the <scp>Q</scp>inghaiâ€<scp>T</scp>ibetan <scp>P</scp>lateau. Global Change Biology, 2013, 19, 2940-2955.	9.5	670
31	Spatiotemporal Variations in Nitrous Oxide Emissions from an Open Fen on the Qinghaiâ€“Tibetan Plateau: a 3-Year Study. Water, Air, and Soil Pollution, 2012, 223, 6025-6034.	2.4	7
32	High Carbon Dioxide Evasion from an Alpine Peatland Lake: The Central Role of Terrestrial Dissolved Organic Carbon Input. Water, Air, and Soil Pollution, 2012, 223, 2563-2569.	2.4	16
33	Methane emissions from the surface of the Three Gorges Reservoir. Journal of Geophysical Research, 2011, 116, .	3.3	150
34	Predominance of Precipitation and Temperature Controls on Ecosystem CO2 Exchange in Zoige Alpine Wetlands of Southwest China. Wetlands, 2011, 31, 413-422.	1.5	59
35	Nitrous Oxide Emissions from Newly Created Littoral Marshes in the Drawdown Area of the Three Gorges Reservoir, China. Water, Air, and Soil Pollution, 2010, 211, 25-33.	2.4	17
36	High methane emissions from a littoral zone on the Qinghai-Tibetan Plateau. Atmospheric Environment, 2009, 43, 4995-5000.	4.1	50

#	Article	IF	Citations
37	Methane emissions from newly created marshes in the drawdown area of the Three Gorges Reservoir. Journal of Geophysical Research, 2009, 114, .	3.3	97
38	Aftermath of the Wenchuan earthquake. Frontiers in Ecology and the Environment, 2009, 7, 72-72.	4.0	11