Zhangcai Qin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2114456/publications.pdf

Version: 2024-02-01

40 papers	2,264 citations	331259 21 h-index	253896 43 g-index
48 all docs	48 docs citations	48 times ranked	3210 citing authors

#	Article	IF	Citations
1	Net CO2 and CH4 emissions from restored mangrove wetland: New insights based on a case study in estuary of the Pearl River, China. Science of the Total Environment, 2022, 811, 151619.	3.9	5
2	Intercomparison of global terrestrial carbon fluxes estimated by MODIS and Earth system models. Science of the Total Environment, 2022, 810, 152231.	3.9	17
3	Carbon dioxide uptake overrides methane emission at the air-water interface of algae-shellfish mariculture ponds: Evidence from eddy covariance observations. Science of the Total Environment, 2022, 815, 152867.	3.9	8
4	The role of China's terrestrial carbon sequestration 2010â€“2060 in offsetting energy-related CO2 emissions. National Science Review, 2022, 9, .	4.6	28
5	Large influence of atmospheric vapor pressure deficit on ecosystem production efficiency. Nature Communications, 2022, 13, 1653.	5.8	31
6	Carbon sequestration in soil and biomass under native and non-native mangrove ecosystems. Plant and Soil, 2022, 479, 61-76.	1.8	9
7	Decarbonizing through nature. One Earth, 2022, 5, 449-451.	3.6	4
8	Calibration and validation of phenological models for Biome-BGCMuSo in the grasslands of Tibetan Plateau using remote sensing data. Agricultural and Forest Meteorology, 2022, 322, 109001.	1.9	6
9	Differed Adaptive Strategies to Nutrient Status between Native and Exotic Mangrove Species. Forests, 2022, 13, 804.	0.9	1
10	Delayed impact of natural climate solutions. Global Change Biology, 2021, 27, 215-217.	4.2	20
11	Natural Climate Solutions for China: The Last Mile to Carbon Neutrality. Advances in Atmospheric Sciences, 2021, 38, 889-895.	1.9	43
12	How Landâ€Sea Interaction of Tidal and Sea Breeze Activity Affect Mangrove Net Ecosystem Exchange?. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034047.	1.2	12
13	Animal waste use and implications to agricultural greenhouse gas emissions in the United States. Environmental Research Letters, 2021, 16, 064079.	2.2	5
14	Degradation of wetlands on the Qinghai-Tibetan Plateau causing a loss in soil organic carbon in 1966â€“2016. Plant and Soil, 2021, 467, 253-265.	1.8	11
15	Droughtâ€Induced Salinity Enhancement Weakens Mangrove Greenhouse Gas Cycling. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006416.	1.3	13
16	Assessing albedo dynamics and its environmental controls of grasslands over the Tibetan Plateau. Agricultural and Forest Meteorology, 2021, 307, 108479.	1.9	11
17	Robust paths to net greenhouse gas mitigation and negative emissions via advanced biofuels. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21968-21977.	3.3	110
18	Changes in soil organic carbon under perennial crops. Global Change Biology, 2020, 26, 4158-4168.	4.2	132

#	Article	IF	Citations
19	Evaluation of CH4MOD_{wetland} and Terrestrial Ecosystem Model (TEM) used to estimate global CH₄ emissions from natural wetlands. Geoscientific Model Development, 2020, 13, 3769-3788.	1.3	9
20	Soil indigenous nutrients increase the resilience of maize yield to climatic warming in China. Environmental Research Letters, 2020, 15, 094047.	2.2	13
21	Increased atmospheric vapor pressure deficit reduces global vegetation growth. Science Advances, 2019, 5, eaax1396.	4.7	755
22	A global, empirical, harmonised dataset of soil organic carbon changes under perennial crops. Scientific Data, 2019, 6, 57.	2.4	13
23	A global metaâ€analysis of soil organic carbon response to corn stover removal. GCB Bioenergy, 2019, 11, 1215-1233.	2.5	47
24	Land management change greatly impacts biofuelsâ€™ greenhouse gas emissions. GCB Bioenergy, 2018, 10, 370-381.	2.5	38
25	Biomass and biofuels in China: Toward bioenergy resource potentials and their impacts on the environment. Renewable and Sustainable Energy Reviews, 2018, 82, 2387-2400.	8.2	120
26	Life cycle energy and greenhouse gas emission effects of biodiesel in the United States with induced land use change impacts. Bioresource Technology, 2018, 251, 249-258.	4.8	106
27	Lifeâ€cycle greenhouse gas emissions of corn kernel fiber ethanol. Biofuels, Bioproducts and Biorefining, 2018, 12, 1013-1022.	1.9	2
28	Evaluating the Potential of Marginal Land for Cellulosic Feedstock Production and Carbon Sequestration in the United States. Environmental Science & Technology, 2017, 51, 733-741.	4.6	41
29	Soil carbon sequestration and land use change associated with biofuel production: empirical evidence. GCB Bioenergy, 2016, 8, 66-80.	2.5	150
30	Influence of spatially dependent, modeled soil carbon emission factors on lifeâ€cycle greenhouse gas emissions of corn and cellulosic ethanol. GCB Bioenergy, 2016, 8, 1136-1149.	2.5	47
31	Consideration of land use change-induced surface albedo effects in life-cycle analysis of biofuels. Energy and Environmental Science, 2016, 9, 2855-2867.	15.6	25
32	Bioenergy crop productivity and potential climate change mitigation from marginal lands in the United States: An ecosystem modeling perspective. GCB Bioenergy, 2015, 7, 1211-1221.	2.5	37
33	Carbon and nitrogen dynamics in bioenergy ecosystems: 2. Potential greenhouse gas emissions and global warming intensity in the conterminous <scp>U</scp>nited <scp>S</scp>tates. GCB Bioenergy, 2015, 7, 25-39.	2.5	22
34	Carbon and nitrogen dynamics in bioenergy ecosystems: 1. Model development, validation and sensitivity analysis. GCB Bioenergy, 2014, 6, 740-755.	2.5	9
35	Soil organic carbon sequestration potential of cropland in China. Global Biogeochemical Cycles, 2013, 27, 711-722.	1.9	83
36	Estimating wetland methane emissions from the northern high latitudes from 1990 to 2009 using artificial neural networks. Global Biogeochemical Cycles, 2013, 27, 592-604.	1.9	31

#	Article	IF	Citations
37	Biofuel, land and water: maize, switchgrass orMiscanthus?. Environmental Research Letters, 2013, 8, 015020.	2.2	76
38	Impacts of land use change due to biofuel crops on carbon balance, bioenergy production, and agricultural yield, in the conterminous <scp>U</scp>nited <scp>S</scp>tates. GCB Bioenergy, 2012, 4, 277-288.	2.5	61
39	Carbon Consequences and Agricultural Implications of Growing Biofuel Crops on Marginal Agricultural Lands in China. Environmental Science & Technology, 2011, 45, 10765-10772.	4.6	60
40	Quantification of soil organic carbon sequestration potential in cropland: A model approach. Science China Life Sciences, 2010, 53, 868-884.	2.3	38