Rajen Bajgain

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8054384/publications.pdf

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19	670	623574	794469
papers	citations	14 h-index	19 g-index

19	19	19	976
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assimilating remote sensing-based VPM GPP into the WOFOST model for improving regional winter wheat yield estimation. European Journal of Agronomy, 2022, 139, 126556.	1.9	17
2	Spatial-temporal dynamics of maize and soybean planted area, harvested area, gross primary production, and grain production in the Contiguous United States during 2008-2018. Agricultural and Forest Meteorology, 2021, 297, 108240.	1.9	12
3	Impacts of juniper woody plant encroachment into grasslands on local climate. Agricultural and Forest Meteorology, 2021, 307, 108508.	1.9	21
4	Comparing Evapotranspiration Products of Different Temporal and Spatial Scales in Native and Managed Prairie Pastures. Remote Sensing, 2021, 13, 82.	1.8	3
5	Improving a Biogeochemical Model to Simulate Microbialâ€mediated Carbon Dynamics in Agricultural ecosystems. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002752.	1.3	1
6	Understanding the effects of pasture type and stocking rate on the hydrology of the Southern Great Plains. Science of the Total Environment, 2020, 708, 134873.	3.9	5
7	Differential responses of native and managed prairie pastures to environmental variability and management practices. Agricultural and Forest Meteorology, 2020, 294, 108137.	1.9	4
8	Estimating site-specific optimum air temperature and assessing its effect on the photosynthesis of grasslands in mid- to high-latitudes. Environmental Research Letters, 2020, 15, 034064.	2.2	16
9	Estimating leaf area index and aboveground biomass of grazing pastures using Sentinel-1, Sentinel-2 and Landsat images. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 154, 189-201.	4.9	184
10	Responses of gross primary production of grasslands and croplands under drought, pluvial, and irrigation conditions during 2010â€“2016, Oklahoma, USA. Agricultural Water Management, 2018, 204, 47-59.	2.4	38
11	Enhanced gross primary production and evapotranspiration in juniperâ€encroached grasslands. Global Change Biology, 2018, 24, 5655-5667.	4.2	25
12	Carbon dioxide and water vapor fluxes in winter wheat and tallgrass prairie in central Oklahoma. Science of the Total Environment, 2018, 644, 1511-1524.	3.9	29
13	Examining the short-term impacts of diverse management practices on plant phenology and carbon fluxes of Old World bluestems pasture. Agricultural and Forest Meteorology, 2017, 237-238, 60-70.	1.9	41
14	Quantifying agricultural drought in tallgrass prairie region in the U.S. Southern Great Plains through analysis of a water-related vegetation index from MODIS images. Agricultural and Forest Meteorology, 2017, 246, 111-122.	1.9	40
15	Assessing agricultural drought in summer over Oklahoma Mesonet sites using the water-related vegetation index from MODIS. International Journal of Biometeorology, 2017, 61, 377-390.	1.3	18
16	Mapping forests in monsoon Asia with ALOS PALSAR 50-m mosaic images and MODIS imagery in 2010. Scientific Reports, 2016, 6, 20880.	1.6	49
17	Biomass production and yield of soybean grown under converted paddy fields with excess water during the early growth stage. Field Crops Research, 2015, 180, 221-227.	2.3	48
18	Sensitivity analysis of vegetation indices to drought over two tallgrass prairie sites. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 108, 151-160.	4.9	68

#	Article	IF	Citations
19	Biophysical controls on carbon and water vapor fluxes across a grassland climatic gradient in the United States. Agricultural and Forest Meteorology, 2015, 214-215, 293-305.	1.9	51