

Tsegaye Tadesse

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4359900/publications.pdf>

Version: 2024-02-01

78
papers

3,993
citations

136740

32
h-index

123241

61
g-index

86
all docs

86
docs citations

86
times ranked

4473
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating Leaf Area Index and biomass of sugarcane based on Gaussian process regression using Landsat 8 and Sentinel 1A observations. <i>International Journal of Image and Data Fusion</i> , 2023, 14, 58-88.	0.8	4
2	A statistical evaluation of Earth-observation-based composite drought indices for a localized assessment of agricultural drought in Pakistan. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 106, 102646.	1.4	5
3	Assimilation of leaf Area Index from multisource earth observation data into the WOFOST model for sugarcane yield estimation. <i>International Journal of Remote Sensing</i> , 2022, 43, 698-720.	1.3	13
4	Flash drought onset over the contiguous United States: sensitivity of inventories and trends to quantitative definitions. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 565-581.	1.9	47
5	Exploring VIIRS Continuity with MODIS in an Expedited Capability for Monitoring Drought-Related Vegetation Conditions. <i>Remote Sensing</i> , 2021, 13, 1210.	1.8	9
6	A Satellite-Based Assessment of the Relative Contribution of Hydroclimatic Variables on Vegetation Growth in Global Agricultural and Nonagricultural Regions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033228.	1.2	6
7	Evaluation of Remotely Sensed Precipitation Estimates from the NASA POWER Project for Drought Detection Over Jordan. <i>Earth Systems and Environment</i> , 2021, 5, 561-573.	3.0	12
8	Evaluation of Regional Climate Models (RCMs) Using Precipitation and Temperature-Based Climatic Indices: A Case Study of Florida, USA. <i>Water (Switzerland)</i> , 2021, 13, 2411.	1.2	3
9	Spatial and temporal trends and variability of rainfall using long-term satellite product over the Upper Blue Nile Basin in Ethiopia. <i>Remote Sensing in Earth Systems Sciences</i> , 2021, 4, 199-215.	1.1	8
10	Nutritional status of children aged 0-60 months in two drought-prone areas of Ethiopia. <i>South African Journal of Clinical Nutrition</i> , 2020, 33, 152-157.	0.3	4
11	Developing a Remote Sensing-Based Combined Drought Indicator Approach for Agricultural Drought Monitoring over Marathwada, India. <i>Remote Sensing</i> , 2020, 12, 2091.	1.8	45
12	Resilience to Large, Catastrophic Wildfires in North America's Grassland Biome. <i>Earth's Future</i> , 2020, 8, e2020EF001487.	2.4	14
13	Monitoring Residual Soil Moisture and Its Association to the Long-Term Variability of Rainfall over the Upper Blue Nile Basin in Ethiopia. <i>Remote Sensing</i> , 2020, 12, 2138.	1.8	7
14	A review of drought monitoring using remote sensing and data mining methods. , 2020, , .		12
15	Forest Drought Response Index (ForDRI): A New Combined Model to Monitor Forest Drought in the Eastern United States. <i>Remote Sensing</i> , 2020, 12, 3605.	1.8	4
16	Combined Use of Sentinel-1 SAR and Landsat Sensors Products for Residual Soil Moisture Retrieval over Agricultural Fields in the Upper Blue Nile Basin, Ethiopia. <i>Sensors</i> , 2020, 20, 3282.	2.1	12
17	Agricultural Drought Assessment in East Asia Using Satellite-Based Indices. <i>Remote Sensing</i> , 2020, 12, 444.	1.8	31
18	Drought Analyses of the Horn of Africa Region (Slovakia) in the Period 1966-2013. <i>Advances in Meteorology</i> , 2019, 2019, 1-10.	0.6	13

#	ARTICLE	IF	CITATIONS
19	Urban drought challenge to 2030 sustainable development goals. <i>Science of the Total Environment</i> , 2019, 693, 133536.	3.9	147
20	Earth Observation and Climate Services for Food Security and Agricultural Decision Making in South and Southeast Asia. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, ES171-ES174.	1.7	2
21	Building A High-Resolution Vegetation Outlook Model to Monitor Agricultural Drought for the Upper Blue Nile Basin, Ethiopia. <i>Remote Sensing</i> , 2019, 11, 371.	1.8	10
22	Soil Moisture Monitoring Using Remote Sensing Data and a Stepwise-Cluster Prediction Model: The Case of Upper Blue Nile Basin, Ethiopia. <i>Remote Sensing</i> , 2019, 11, 125.	1.8	13
23	Developing a satellite-based combined drought indicator to monitor agricultural drought: a case study for Ethiopia. <i>GIScience and Remote Sensing</i> , 2019, 56, 718-748.	2.4	39
24	Linking seasonal drought product information to decision makers in a data-sparse region: A case study in the Greater Horn of Africa. <i>Remote Sensing Applications: Society and Environment</i> , 2019, 14, 200-206.	0.8	2
25	Improving National and Regional Drought Early Warning Systems in the Greater Horn of Africa. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, ES135-ES138.	1.7	5
26	Influence of urbanization-driven land use/cover change on climate: The case of Addis Ababa, Ethiopia. <i>Physics and Chemistry of the Earth</i> , 2018, 105, 212-223.	1.2	62
27	Developing the vegetation drought response index for South Korea (VegDRI-SKorea) to assess the vegetation condition during drought events. <i>International Journal of Remote Sensing</i> , 2018, 39, 1548-1574.	1.3	21
28	Vegetation condition prediction for drought monitoring in pastoralist areas: a case study in Ethiopia. <i>International Journal of Remote Sensing</i> , 2018, 39, 4599-4615.	1.3	12
29	Validation of the CHIRPS satellite rainfall estimates over eastern Africa. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 292-312.	1.0	404
30	Empowerment and Tech Adoption: Introducing the Treadle Pump Triggers Farmersâ€™ Innovation in Eastern Ethiopia. <i>Sustainability</i> , 2018, 10, 3268.	1.6	3
31	Prediction of drought-induced reduction of agricultural productivity in Chile from MODIS, rainfall estimates, and climate oscillation indices. <i>Remote Sensing of Environment</i> , 2018, 219, 15-30.	4.6	64
32	Crop model and weather data generation evaluation for conservation agriculture in Ethiopia. <i>Field Crops Research</i> , 2018, 228, 122-134.	2.3	18
33	Use of remote sensing indicators to assess effects of drought and human-induced land degradation on ecosystem health in Northeastern Brazil. <i>Remote Sensing of Environment</i> , 2018, 213, 129-143.	4.6	150
34	Validation of new satellite rainfall products over the Upper Blue Nile Basin, Ethiopia. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1921-1936.	1.2	133
35	Precipitation Extremes in Dynamically Downscaled Climate Scenarios over the Greater Horn of Africa. <i>Atmosphere</i> , 2018, 9, 112.	1.0	39
36	Comparison of the Performance of Six Drought Indices in Characterizing Historical Drought for the Upper Blue Nile Basin, Ethiopia. <i>Geosciences (Switzerland)</i> , 2018, 8, 81.	1.0	108

#	ARTICLE	IF	CITATIONS
37	Downscaling Africa's Drought Forecasts through Integration of Indigenous and Scientific Drought Forecasts Using Fuzzy Cognitive Maps. <i>Geosciences (Switzerland)</i> , 2018, 8, 135.	1.0	13
38	Building the vegetation drought response index for Canada (VegDRI-Canada) to monitor agricultural drought: first results. <i>GIScience and Remote Sensing</i> , 2017, 54, 230-257.	2.4	37
39	Enhancing Dynamical Seasonal Predictions through Objective Regionalization. <i>Journal of Applied Meteorology and Climatology</i> , 2017, 56, 1431-1442.	0.6	2
40	Upper Blue Nile basin water budget from a multi-model perspective. <i>Journal of Hydrology</i> , 2017, 555, 535-546.	2.3	39
41	Climate change and population growth impacts on surface water supply and demand of Addis Ababa, Ethiopia. <i>Climate Risk Management</i> , 2017, 18, 21-33.	1.6	64
42	Evaluating satellite-derived long-term historical precipitation datasets for drought monitoring in Chile. <i>Atmospheric Research</i> , 2017, 186, 26-42.	1.8	119
43	Preliminary assessment of an integrated SMOS and MODIS application for global agricultural drought monitoring. , 2017, , .		5
44	Information Mining from Heterogeneous Data Sources: A Case Study on Drought Predictions. <i>Information (Switzerland)</i> , 2017, 8, 79.	1.7	8
45	Evaluation of Satellite-Based Rainfall Estimates and Application to Monitor Meteorological Drought for the Upper Blue Nile Basin, Ethiopia. <i>Remote Sensing</i> , 2017, 9, 669.	1.8	168
46	Advancements in Satellite Remote Sensing for Drought Monitoring. <i>Drought and Water Crises</i> , 2017, , 225-258.	0.1	3
47	A hybrid approach for detecting corn and soybean phenology with time-series MODIS data. <i>Remote Sensing of Environment</i> , 2016, 181, 237-250.	4.6	102
48	The Grand Ethiopian Renaissance Dam: Source of Cooperation or Contention?. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	1.3	20
49	Evaluating satellite-derived long-term historical precipitation datasets for drought monitoring in Chile. , 2016, , .		6
50	Linking Seasonal Predictions to Decision-Making and Disaster Management in the Greater Horn of Africa. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, ES89-ES92.	1.7	18
51	Assessing the evolution of soil moisture and vegetation conditions during the 2012 United States flash drought. <i>Agricultural and Forest Meteorology</i> , 2016, 218-219, 230-242.	1.9	228
52	Identifying the relationships of climate and physiological responses of a beech forest using the Standardised Precipitation Index: a case study for Slovakia. <i>Journal of Hydrology and Hydromechanics</i> , 2016, 64, 246-251.	0.7	15
53	Estimation of Daily Air Temperature Based on MODIS Land Surface Temperature Products over the Corn Belt in the US. <i>Remote Sensing</i> , 2015, 7, 951-970.	1.8	72
54	Drought Occurrence in Central European Mountainous Region (Tatra National Park, Slovakia) within the Period 1961-2010. <i>Advances in Meteorology</i> , 2015, 2015, 1-8.	0.6	24

#	ARTICLE	IF	CITATIONS
55	Drought hazard assessment in the context of climate change for South Korea. <i>Agricultural Water Management</i> , 2015, 160, 106-117.	2.4	207
56	Participatory Research Workshop on Seasonal Prediction of Hydroclimatic Extremes in the Greater Horn of Africa. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, ES139-ES142.	1.7	16
57	Evaluating a satellite-based seasonal evapotranspiration product and identifying its relationship with other satellite-derived products and crop yield: A case study for Ethiopia. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 40, 39-54.	1.4	53
58	Assessing the Vegetation Condition Impacts of the 2011 Drought across the U.S. Southern Great Plains Using the Vegetation Drought Response Index (VegDRI). <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 153-169.	0.6	43
59	Satellite-based Hybrid Drought Assessment using Vegetation Drought Response Index in South Korea (VegDRI-SKorea). <i>Journal of the Korean Society of Agricultural Engineers</i> , 2015, 57, 1-9.	0.1	4
60	Satellite-based hybrid drought monitoring tool for prediction of vegetation condition in Eastern Africa: A case study for Ethiopia. <i>Water Resources Research</i> , 2014, 50, 2176-2190.	1.7	50
61	Drought Prediction System for Improved Climate Change Mitigation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 4032-4037.	2.7	16
62	Improving drought risk modelling: using multiple periods of satellite data with ensembles of data mining algorithms. <i>International Journal of Society Systems Science</i> , 2014, 6, 143.	0.1	0
63	Drought information mining from satellite images for improved climate change mitigation. , 2012, , .		1
64	Assessment of Vegetation Response to Drought in Nebraska Using Terra-MODIS Land Surface Temperature and Normalized Difference Vegetation Index. <i>GIScience and Remote Sensing</i> , 2011, 48, 432-455.	2.4	49
65	Drought Monitoring in Food-Insecure Areas of Ethiopia by Using Satellite Technologies. <i>Climate Change Management</i> , 2011, , 183-200.	0.6	4
66	Potential extents for ENSO-driven hydrologic drought forecasts in the United States. <i>Climatic Change</i> , 2010, 101, 575-597.	1.7	49
67	The Vegetation Outlook (VegOut): A New Method for Predicting Vegetation Seasonal Greenness. <i>GIScience and Remote Sensing</i> , 2010, 47, 25-52.	2.4	40
68	The Application of Data Mining for Drought Monitoring and Prediction. , 2009, , 278-289.		4
69	Algorithm and Feature Selection for VegOut: A Vegetation Condition Prediction Tool. <i>Lecture Notes in Computer Science</i> , 2009, , 107-120.	1.0	0
70	The need for integration of drought monitoring tools for proactive food security management in sub-Saharan Africa. <i>Natural Resources Forum</i> , 2008, 32, 265-279.	1.8	53
71	The Vegetation Drought Response Index (VegDRI): A New Integrated Approach for Monitoring Drought Stress in Vegetation. <i>GIScience and Remote Sensing</i> , 2008, 45, 16-46.	2.4	363
72	Climate Impacts on Hydrology in the Central United States: Application to Forecast Capability in the Republican River Basin. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
73	The Vegetation Outlook (VegOut): A New Tool for Providing Outlooks of General Vegetation Conditions Using Data Mining Techniques. , 2007, , .		2
74	A new approach for predicting drought-related vegetation stress: Integrating satellite, climate, and biophysical data over the U.S. central plains. ISPRS Journal of Photogrammetry and Remote Sensing, 2005, 59, 244-253.	4.9	87
75	Discovering Associations between Climatic and Oceanic Parameters to Monitor Drought in Nebraska Using Data-Mining Techniques. Journal of Climate, 2005, 18, 1541-1550.	1.2	26
76	Drought Monitoring Using Data Mining Techniques: A Case Study for Nebraska, USA. Natural Hazards, 2004, 33, 137-159.	1.6	62
77	Geospatial decision support for drought risk management. Communications of the ACM, 2003, 46, 35-37.	3.3	350
78	Spatio-temporal assessment of meteorological drought under the influence of varying record length: the case of Upper Blue Nile Basin, Ethiopia. Hydrological Sciences Journal, 0, , 1-16.	1.2	39