

Martin C Todd

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9502073/publications.pdf>

Version: 2024-02-01

20
papers

1,418
citations

516710

16
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

2335
citing authors

#	ARTICLE	IF	CITATIONS
1	Mineral dust aerosols over the Sahara: Meteorological controls on emission and transport and implications for modeling. <i>Reviews of Geophysics</i> , 2012, 50, .	23.0	269
2	Evidence of the dependence of groundwater resources on extreme rainfall in East Africa. <i>Nature Climate Change</i> , 2013, 3, 374-378.	18.8	257
3	Uncertainty in the estimation of potential evapotranspiration under climate change. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	199
4	Observed controls on resilience of groundwater to climate variability in sub-Saharan Africa. <i>Nature</i> , 2019, 572, 230-234.	27.8	168
5	The central west Saharan dust hot spot and its relation to African easterly waves and extratropical disturbances. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	100
6	Seasonal and spatial hydrological variability drives aquatic biodiversity in a floodâ€­pulsed, subâ€­tropical wetland. <i>Freshwater Biology</i> , 2012, 57, 1253-1265.	2.4	62
7	Extreme Rainfall and Flooding over Central Kenya Including Nairobi City during the Long-Rains Season 2018: Causes, Predictability, and Potential for Early Warning and Actions. <i>Atmosphere</i> , 2018, 9, 472.	2.3	61
8	Dust: Smallâ€­scale processes with global consequences. <i>Eos</i> , 2011, 92, 241-242.	0.1	56
9	Spatial and Seasonal Variability in Surface Water Chemistry in the Okavango Delta, Botswana: A Multivariate Approach. <i>Wetlands</i> , 2011, 31, 815-829.	1.5	34
10	Model Simulations of Complex Dust Emissions over the Sahara during the West African Monsoon Onset. <i>Advances in Meteorology</i> , 2012, 2012, 1-17.	1.6	28
11	Future Precipitation Projections over Central and Southern Africa and the Adjacent Indian Ocean: What Causes the Changes and the Uncertainty?. <i>Journal of Climate</i> , 2018, 31, 4807-4826.	3.2	27
12	Drivers and Subseasonal Predictability of Heavy Rainfall in Equatorial East Africa and Relationship with Flood Risk. <i>Journal of Hydrometeorology</i> , 2021, 22, 887-903.	1.9	24
13	Diatom sensitivity to hydrological and nutrient variability in a subtropical, floodâ€­pulse wetland. <i>Ecohydrology</i> , 2012, 5, 491-502.	2.4	23
14	Causal pathways linking different flavours of <sc>ENSO</sc> with the Greater Horn of Africa short rains. <i>Atmospheric Science Letters</i> , 2021, 22, e1015.	1.9	23
15	Southern African Monthly Rainfall Variability: An Analysis Based on Generalized Linear Models. <i>Journal of Climate</i> , 2011, 24, 4600-4617.	3.2	21
16	Rainfall-derived growing season characteristics for agricultural impact assessments in South Africa. <i>Theoretical and Applied Climatology</i> , 2014, 115, 411-426.	2.8	17
17	Evaluation and validation of TAMSAT<sc>â€­ALERT</sc> soil moisture and WRSI for use in drought anticipatory action. <i>Meteorological Applications</i> , 2020, 27, e1959.	2.1	17
18	Uncertainty assessment in river flow projections for Ethiopiaâ€™s Upper Awash Basin using multiple GCMs and hydrological models. <i>Hydrological Sciences Journal</i> , 2020, 65, 1720-1737.	2.6	15

#	ARTICLE	IF	CITATIONS
19	Sensitivity of projected climate impacts to climate model weighting: multi-sector analysis in eastern Africa. <i>Climatic Change</i> , 2021, 164, 1.	3.6	10
20	Mainstreaming forecast based action into national disaster risk management systems: experience from drought risk management in Kenya. <i>Climate and Development</i> , 2022, 14, 741-756.	3.9	6