Philip G Oguntunde

List of Publications by Year
in descending order

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37 papers	1,501 citations	394421 19 h-index	330143 37 g-index
37 all docs	37 docs citations	37 times ranked	1752 citing authors

#	Article	IF	Citations
1	Potential of the Coupled WRF/WRF-Hydro Modeling System for Flood Forecasting in the OuÃ©mÃ© River (West Africa). Water (Switzerland), 2022, 14, 1192.	2.7	7
2	Modelling flood-prone area and vulnerability using integration of multi-criteria analysis and HAND model in the Ogun River Basin, Nigeria. Hydrological Sciences Journal, 2020, 65, 1766-1783.	2.6	21
3	Droughts projection over the Niger and Volta River basins of West Africa at specific global warming levels. International Journal of Climatology, 2020, 40, 5688-5699.	3.5	10
4	Identification of Potential Drought Areas in West Africa Under Climate Change and Variability. Earth Systems and Environment, 2019, 3, 429-444.	6.2	34
5	Analysis of recent changes in rainfall and drought indices in Nigeria, 1981â€“2015. Hydrological Sciences Journal, 2019, 64, 1755-1768.	2.6	41
6	Future projection of droughts over major river basins in Southern Africa at specific global warming levels. Theoretical and Applied Climatology, 2019, 137, 1785-1799.	2.8	63
7	Relationship between rice yield and climate variables in southwest Nigeria using multiple linear regression and support vector machine analysis. International Journal of Biometeorology, 2018, 62, 459-469.	3.0	40
8	Impacts of climate variability and change on drought characteristics in the Niger River Basin, West Africa. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1017-1034.	4.0	32
9	High-resolution long-term WRF climate simulations over Volta Basin. Part 1: validation analysis for temperature and precipitation. Theoretical and Applied Climatology, 2018, 133, 829-849.	2.8	23
10	Simulating the Impacts of Tree, C3, and C4 Plant Functional Types on the Future Climate of West Africa. Climate, 2018, 6, 35.	2.8	3
11	Analysis of longâ€term dry and wet conditions over Nigeria. International Journal of Climatology, 2017, 37, 3577-3586.	3.5	15
12	Impacts of climate change on hydro-meteorological drought over the Volta Basin, West Africa. Global and Planetary Change, 2017, 155, 121-132.	3.5	60
13	A numerical modelling study of the hydroclimatology of the Niger River Basin, West Africa. Hydrological Sciences Journal, 2016, 61, 94-106.	2.6	5
14	The Late Onset of the 2015 Wet Season in Nigeria. Bulletin of the American Meteorological Society, 2016, 97, S63-S69.	3.3	8
15	Greenhouse evapotranspiration and crop factor of Amaranthus cruentus grown in weighing lysimeters. African Journal of Agricultural Research Vol Pp, 2015, 10, 3453-3461.	0.5	5
16	Modelling the impacts of reforestation on the projected hydroclimatology of Niger River Basin, West Africa. Ecohydrology, 2014, 7, 163-176.	2.4	16
17	Analysis of spatial and temporal patterns in onset, cessation and length of growing season in Nigeria. Agricultural and Forest Meteorology, 2014, 194, 77-87.	4.8	27
18	The impact of climate change on the Niger River Basin hydroclimatology, West Africa. Climate Dynamics, 2013, 40, 81-94.	3.8	50

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19	Spatial and temporal temperature trends in Nigeria, 1901â€“2000. Meteorology and Atmospheric Physics, 2012, 118, 95-105.	2.0	30
20	Modeling the impacts of reforestation on future climate in West Africa. Theoretical and Applied Climatology, 2012, 110, 77-96.	2.8	74
21	Trends and variability in pan evaporation and other climatic variables at Ibadan, Nigeria, 1973â€“2008. Meteorological Applications, 2012, 19, 464-472.	2.1	38
22	Re-examination of the BMN Model for Estimating Evapotranspiration. International Journal of Agriculture and Forestry (Print), 2012, 2, 268-272.	1.0	2
23	Influence of Tree Age and Variety on Allometric Characteristics and Water Use of Mangifera indica L. Growing in Plantation. Journal of Botany, 2011, 2011, 1-8.	1.2	4
24	Rainfall trends in Nigeria, 1901â€“2000. Journal of Hydrology, 2011, 411, 207-218.	5.4	161
25	Seasonal Variation of Temporal Patterns of Water Flux in a Cashew Orchard Under Sub-humid Tropical Conditions. Journal of Crop Improvement, 2011, 25, 504-520.	1.7	1
26	Numerical analysis of the impact of charcoal production on soil hydrological behavior, runoff response and erosion susceptibility. Revista Brasileira De Ciencia Do Solo, 2009, 33, 137-146.	1.3	39
27	Hydrotope-Based Protocol to Determine Average Soil Moisture Over Large Areas for Satellite Calibration and Validation With Results From an Observation Campaign in the Volta Basin, West Africa. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1995-2004.	6.3	14
28	Effects of charcoal production on soil physical properties in Ghana. Journal of Plant Nutrition and Soil Science, 2008, 171, 591-596.	1.9	199
29	Measurement and modelling of transpiration of a rain-fed citrus orchard under subhumid tropical conditions. Agricultural Water Management, 2007, 87, 200-208.	5.6	26
30	Environmental regulation and modelling of cassava canopy conductance under drying rootâ€zone soil water. Meteorological Applications, 2007, 14, 245-252.	2.1	7
31	Hydroclimatology of the Volta River Basin in West Africa: Trends and variability from 1901 to 2002. Physics and Chemistry of the Earth, 2006, 31, 1180-1188.	2.9	136
32	Tillage and surface moisture effects on bare-soil albedo of a tropical loamy sand. Soil and Tillage Research, 2006, 85, 107-114.	5.6	33
33	Water flux measurement and prediction in young cashew trees using sap flow data. Hydrological Processes, 2005, 19, 3235-3248.	2.6	13
34	Whole-Plant Water use and Canopy Conductance of Cassava Under limited Available Soil Water and Varying Evaporative Demand. Plant and Soil, 2005, 278, 371-383.	3.7	39
35	Crop growth and development effects on surface albedo for maize and cowpea fields in Ghana, West Africa. International Journal of Biometeorology, 2004, 49, 106-112.	3.0	18
36	Effects of charcoal production on maize yield, chemical properties and texture of soil. Biology and Fertility of Soils, 2004, 39, 295-299.	4.3	198

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37	Water Flux in a Cashew Orchard during a Wet-to-Dry Transition Period: Analysis of Sap Flow and Eddy Correlation Measurements. Earth Interactions, 2004, 8, 1-17.	1.5	9