

# Philip G Oguntunde

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Effects of charcoal production on soil physical properties in Ghana. <i>Journal of Plant Nutrition and Soil Science</i> , 2008, 171, 591-596.	1.9	199
2	Effects of charcoal production on maize yield, chemical properties and texture of soil. <i>Biology and Fertility of Soils</i> , 2004, 39, 295-299.	4.3	198
3	Rainfall trends in Nigeria, 1901–2000. <i>Journal of Hydrology</i> , 2011, 411, 207-218.	5.4	161
4	Hydroclimatology of the Volta River Basin in West Africa: Trends and variability from 1901 to 2002. <i>Physics and Chemistry of the Earth</i> , 2006, 31, 1180-1188.	2.9	136
5	Modeling the impacts of reforestation on future climate in West Africa. <i>Theoretical and Applied Climatology</i> , 2012, 110, 77-96.	2.8	74
6	Future projection of droughts over major river basins in Southern Africa at specific global warming levels. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1785-1799.	2.8	63
7	Impacts of climate change on hydro-meteorological drought over the Volta Basin, West Africa. <i>Global and Planetary Change</i> , 2017, 155, 121-132.	3.5	60
8	The impact of climate change on the Niger River Basin hydroclimatology, West Africa. <i>Climate Dynamics</i> , 2013, 40, 81-94.	3.8	50
9	Analysis of recent changes in rainfall and drought indices in Nigeria, 1981–2015. <i>Hydrological Sciences Journal</i> , 2019, 64, 1755-1768.	2.6	41
10	Relationship between rice yield and climate variables in southwest Nigeria using multiple linear regression and support vector machine analysis. <i>International Journal of Biometeorology</i> , 2018, 62, 459-469.	3.0	40
11	Whole-Plant Water use and Canopy Conductance of Cassava Under limited Available Soil Water and Varying Evaporative Demand. <i>Plant and Soil</i> , 2005, 278, 371-383.	3.7	39
12	Numerical analysis of the impact of charcoal production on soil hydrological behavior, runoff response and erosion susceptibility. <i>Revista Brasileira De Ciencia Do Solo</i> , 2009, 33, 137-146.	1.3	39
13	Trends and variability in pan evaporation and other climatic variables at Ibadan, Nigeria, 1973–2008. <i>Meteorological Applications</i> , 2012, 19, 464-472.	2.1	38
14	Identification of Potential Drought Areas in West Africa Under Climate Change and Variability. <i>Earth Systems and Environment</i> , 2019, 3, 429-444.	6.2	34
15	Tillage and surface moisture effects on bare-soil albedo of a tropical loamy sand. <i>Soil and Tillage Research</i> , 2006, 85, 107-114.	5.6	33
16	Impacts of climate variability and change on drought characteristics in the Niger River Basin, West Africa. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1017-1034.	4.0	32
17	Spatial and temporal temperature trends in Nigeria, 1901–2000. <i>Meteorology and Atmospheric Physics</i> , 2012, 118, 95-105.	2.0	30
18	Analysis of spatial and temporal patterns in onset, cessation and length of growing season in Nigeria. <i>Agricultural and Forest Meteorology</i> , 2014, 194, 77-87.	4.8	27

#	ARTICLE	IF	CITATIONS
19	Measurement and modelling of transpiration of a rain-fed citrus orchard under subhumid tropical conditions. <i>Agricultural Water Management</i> , 2007, 87, 200-208.	5.6	26
20	High-resolution long-term WRF climate simulations over Volta Basin. Part 1: validation analysis for temperature and precipitation. <i>Theoretical and Applied Climatology</i> , 2018, 133, 829-849.	2.8	23
21	Modelling flood-prone area and vulnerability using integration of multi-criteria analysis and HAND model in the Ogun River Basin, Nigeria. <i>Hydrological Sciences Journal</i> , 2020, 65, 1766-1783.	2.6	21
22	Crop growth and development effects on surface albedo for maize and cowpea fields in Ghana, West Africa. <i>International Journal of Biometeorology</i> , 2004, 49, 106-112.	3.0	18
23	Modelling the impacts of reforestation on the projected hydroclimatology of Niger River Basin, West Africa. <i>Ecohydrology</i> , 2014, 7, 163-176.	2.4	16
24	Analysis of long-term dry and wet conditions over Nigeria. <i>International Journal of Climatology</i> , 2017, 37, 3577-3586.	3.5	15
25	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. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008, 46, 1995-2004.	6.3	14
26	Water flux measurement and prediction in young cashew trees using sap flow data. <i>Hydrological Processes</i> , 2005, 19, 3235-3248.	2.6	13
27	Droughts projection over the Niger and Volta River basins of West Africa at specific global warming levels. <i>International Journal of Climatology</i> , 2020, 40, 5688-5699.	3.5	10
28	Water Flux in a Cashew Orchard during a Wet-to-Dry Transition Period: Analysis of Sap Flow and Eddy Correlation Measurements. <i>Earth Interactions</i> , 2004, 8, 1-17.	1.5	9
29	The Late Onset of the 2015 Wet Season in Nigeria. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, S63-S69.	3.3	8
30	Environmental regulation and modelling of cassava canopy conductance under drying root-zone soil water. <i>Meteorological Applications</i> , 2007, 14, 245-252.	2.1	7
31	Potential of the Coupled WRF/WRF-Hydro Modeling System for Flood Forecasting in the Ouémé River (West Africa). <i>Water (Switzerland)</i> , 2022, 14, 1192.	2.7	7
32	Greenhouse evapotranspiration and crop factor of <i>Amaranthus cruentus</i> grown in weighing lysimeters. <i>African Journal of Agricultural Research</i> Vol Pp, 2015, 10, 3453-3461.	0.5	5
33	A numerical modelling study of the hydroclimatology of the Niger River Basin, West Africa. <i>Hydrological Sciences Journal</i> , 2016, 61, 94-106.	2.6	5
34	Influence of Tree Age and Variety on Allometric Characteristics and Water Use of <i>Mangifera indica</i> L. Growing in Plantation. <i>Journal of Botany</i> , 2011, 2011, 1-8.	1.2	4
35	Simulating the Impacts of Tree, C3, and C4 Plant Functional Types on the Future Climate of West Africa. <i>Climate</i> , 2018, 6, 35.	2.8	3
36	Re-examination of the BMN Model for Estimating Evapotranspiration. <i>International Journal of Agriculture and Forestry (Print)</i> , 2012, 2, 268-272.	1.0	2

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37	Seasonal Variation of Temporal Patterns of Water Flux in a Cashew Orchard Under Sub-humid Tropical Conditions. <i>Journal of Crop Improvement</i> , 2011, 25, 504-520.	1.7	1