

# Dilys S Maccarthy

## List of Publications by Year in descending order

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840119

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times ranked

545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of 1.5 versus 2.0°C on cereal yields in the West African Sudan Savanna. Environmental Research Letters, 2018, 13, 034014.	2.2	70
2	Modelling climate change impacts on maize yields under low nitrogen input conditions in sub-Saharan Africa. Global Change Biology, 2020, 26, 5942-5964.	4.2	60
3	Using CERES-Maize and ENSO as Decision Support Tools to Evaluate Climate-Sensitive Farm Management Practices for Maize Production in the Northern Regions of Ghana. Frontiers in Plant Science, 2017, 8, 31.	1.7	50
4	Modeling the impacts of contrasting nutrient and residue management practices on grain yield of sorghum ( <i>Sorghum bicolor</i> (L.) Moench) in a semi-arid region of Ghana using APSIM. Field Crops Research, 2009, 113, 105-115.	2.3	43
5	Modeling nutrient and water productivity of sorghum in smallholder farming systems in a semi-arid region of Ghana. Field Crops Research, 2010, 118, 251-258.	2.3	41
6	Sensitivity of Maize Yield in Smallholder Systems to Climate Scenarios in Semi-Arid Regions of West Africa: Accounting for Variability in Farm Management Practices. Agronomy, 2019, 9, 639.	1.3	22
7	Assessment of Greenhouse Gas Emissions from Different Land-Use Systems: A Case Study of CO <sub>2</sub> in the Southern Zone of Ghana. Applied and Environmental Soil Science, 2018, 2018, 1-12.	0.8	21
8	Integrating Biochar and Inorganic Fertilizer Improves Productivity and Profitability of Irrigated Rice in Ghana, West Africa. Agronomy, 2020, 10, 904.	1.3	16
9	Land Cover Changes in Ghana over the Past 24 Years. Sustainability, 2021, 13, 4951.	1.6	16
10	Climate Change Impact and Variability on Cereal Productivity among Smallholder Farmers under Future Production Systems in West Africa. Sustainability, 2021, 13, 5191.	1.6	16
11	Decision support tools for site-specific fertilizer recommendations and agricultural planning in selected countries in sub-Sahara Africa. Nutrient Cycling in Agroecosystems, 2018, 110, 343-359.	1.1	14
12	Impact of Extreme Temperature and Soil Water Stress on the Growth and Yield of Soybean ( <i>Glycine</i> )	1.4	13
13	Evaluating maize yield variability and gaps in two agroecologies in northern Ghana using a crop simulation model. South African Journal of Plant and Soil, 2018, 35, 137-147.	0.4	12
14	Kinetics of Carbon Mineralization and Sequestration of Sole and/or Co-amended Biochar and Cattle Manure in a Sandy Soil. Communications in Soil Science and Plant Analysis, 2019, 50, 2593-2609.	0.6	10
15	Climate Change Impacts on West African Agriculture: An Integrated Regional Assessment (CIWARA). ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2015, , 25-73.	0.4	9
16	Cost-Benefit Analysis of Conventional and Integrated Crop Management for Vegetable Production. International Journal of Vegetable Science, 2018, 24, 597-611.	0.6	7
17	A conceptual modelling framework for simulating the impact of soil degradation on maize yield in data-sparse regions of the tropics. Ecological Modelling, 2021, 448, 109525.	1.2	2