

# Michael Osei Adu

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

662  
citations

759233

12  
h-index

610901

24  
g-index

39  
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39  
docs citations

39  
times ranked

885  
citing authors

#	ARTICLE	IF	CITATIONS
1	Root hair and rhizosheath traits contribute to genetic variation and phosphorus use efficiency in cowpea ( <i>Vigna unguiculata</i> (L.) Walp). <i>Rhizosphere</i> , 2022, 21, 100463.	3.0	9
2	The use of oil palm empty fruit bunches as a soil amendment to improve growth and yield of crops. A meta-analysis. <i>Agronomy for Sustainable Development</i> , 2022, 42, 1.	5.3	4
3	Exploring the Bush yam ( <i>Dioscorea praehensilis</i> Benth) as a Source of Agronomic and Quality Trait Genes in White Guinea yam ( <i>Dioscorea rotundata</i> Poir) Breeding. <i>Agronomy</i> , 2022, 12, 55.	3.0	3
4	Urinary Pesticide Residual Levels and Acute Respiratory Infections in Children Under 5 Years of Age: Findings From the Offinso North Farm Health Study. <i>Environmental Health Insights</i> , 2022, 16, 117863022210944.	1.7	4
5	Mechanisms Underlying Root System Architecture and Gene Expression Pattern in Pearl Millet ( <i>Pennisetum glaucum</i> ). <i>Gesunde Pflanzen</i> , 2022, 74, 983-996.	3.0	2
6	Multifunctional Landscape Transformation of Urban Idle Spaces for Climate Resilience in Sub-Saharan Africa. , 2021, , 1-27.		0
7	Morphological diversity in purple nutsedge from four agro-ecological zones in Ghana. <i>Heliyon</i> , 2021, 7, e07661.	3.2	2
8	Farmers' perceptions on varietal diversity, trait preferences and diversity management of bush yam ( <i>Dioscorea praehensilis</i> Benth.) in Ghana. <i>Scientific African</i> , 2021, 12, e00808.	1.5	7
9	Multifunctional Landscape Transformation of Urban Idle Spaces for Climate Resilience in Sub-Saharan Africa. , 2021, , 2193-2219.		1
10	Response of chilli pepper to different irrigation schedules and mulching technologies in semi-arid environments. <i>Journal of Agriculture and Food Research</i> , 2021, 6, 100222.	2.5	5
11	Causal shoot and root system traits to variability and plasticity in juvenile cassava ( <i>Manihot</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Plants, 2020, 26, 1799-1814.	3.1	9
12	Phenotypic Characterization of Tiger Nuts ( <i>Cyperus esculentus</i> L.) from Major Growing Areas in Ghana. <i>Scientific World Journal</i> , The, 2020, 2020, 1-11.	2.1	17
13	The search for yield predictors for mature field-grown plants from juvenile pot-grown cassava ( <i>Manihot esculenta</i> Crantz). <i>PLoS ONE</i> , 2020, 15, e0232595.	2.5	3
14	Does water-saving irrigation improve the quality of fruits and vegetables? Evidence from meta-analysis. <i>Irrigation Science</i> , 2019, 37, 669-690.	2.8	17
15	Identifying key contributing root system traits to genetic diversity in field-grown cowpea ( <i>Vigna</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5.1 21		
16	Regional variations in potential groundwater recharge from spring barley crop fields in the UK under projected climate change. <i>Groundwater for Sustainable Development</i> , 2019, 8, 332-345.	4.6	12
17	Meta-analysis of crop yields of full, deficit, and partial root-zone drying irrigation. <i>Agricultural Water Management</i> , 2018, 197, 79-90.	5.6	76
18	Spatial assessment of sugarcane ( <i>Saccharum</i> spp. L.) production to feed the Komenda Sugar Factory, Ghana. <i>Heliyon</i> , 2018, 4, e00903.	3.2	7

#	ARTICLE	IF	CITATIONS
19	Ghanaians Might Be at Risk of Excess Dietary Intake of Potassium Based on Food Supply Data. <i>Journal of Nutrition and Metabolism</i> , 2018, 2018, 1-9.	1.8	5
20	Systematic review of the effects of agricultural interventions on food security in northern Ghana. <i>PLoS ONE</i> , 2018, 13, e0203605.	2.5	20
21	Characterising shoot and root system trait variability and contribution to genotypic variability in juvenile cassava ( <i>Manihot esculenta</i> Crantz) plants. <i>Heliyon</i> , 2018, 4, e00665.	3.2	28
22	Soil-Transmitted Helminths in Top Soils Used for Horticultural Purposes in Cape Coast, Ghana. <i>Journal of Environmental and Public Health</i> , 2018, 2018, 1-5.	0.9	8
23	Agronomic biofortification of selected underutilised solanaceae vegetables for improved dietary intake of potassium (K) in Ghana. <i>Heliyon</i> , 2018, 4, e00750.	3.2	17
24	Modelling spatio-temporal heterogeneities in groundwater quality in Ghana: a multivariate chemometric approach. <i>Journal of Water and Health</i> , 2017, 15, 658-672.	2.6	0
25	Quantifying variations in rhizosphere and root system phenotypes of landraces and improved varieties of juvenile maize. <i>Rhizosphere</i> , 2017, 3, 29-39.	3.0	31
26	Response-based selection of barley cultivars and legume species for complementarity: Root morphology and exudation in relation to nutrient source. <i>Plant Science</i> , 2017, 255, 12-28.	3.6	41
27	Effect of Climate and Agricultural Land Use Changes on UK Feed Barley Production and Food Security to the 2050s. <i>Land</i> , 2017, 6, 74.	2.9	27
28	Demucilaging Freshly Stored Seeds of Cocoa ( <i>Theobroma cacao</i> L.) Improves Seedling Emergence and Growth. <i>Journal of Botany</i> , 2017, 2017, 1-10.	1.2	3
29	A scanner-based rhizobox system enabling the quantification of root system development and response of <i>Brassica rapa</i> seedlings to external P availability. <i>Plant Root</i> , 2017, 11, 16-32.	0.3	7
30	Simulated Regional Yields of Spring Barley in the United Kingdom under Projected Climate Change. <i>Climate</i> , 2016, 4, 54.	2.8	24
31	Ghanaians Might Be at Risk of Inadequate Dietary Intake of Potassium. <i>Journal of Nutrition and Metabolism</i> , 2016, 2016, 1-8.	1.8	2
32	Putting Soil Security on the Policy Agenda: Need for a Familiar Framework. <i>Challenges</i> , 2016, 7, 15.	1.7	2
33	Effects of rooting media on root growth and morphology of <i>Brassica rapa</i> seedlings. <i>South African Journal of Plant and Soil</i> , 2016, 33, 219-227.	1.1	4
34	Analysis of root growth from a phenotyping data set using a density-based model. <i>Journal of Experimental Botany</i> , 2016, 67, 1045-1058.	4.8	26
35	Challenges and opportunities for quantifying roots and rhizosphere interactions through imaging and image analysis. <i>Plant, Cell and Environment</i> , 2015, 38, 1213-1232.	5.7	117
36	A scanner system for high-resolution quantification of variation in root growth dynamics of <i>Brassica rapa</i> genotypes. <i>Journal of Experimental Botany</i> , 2014, 65, 2039-2048.	4.8	96

#	ARTICLE	IF	CITATIONS
37	Virtual water and phosphorus gains through rice imports to Ghana: implications for food security policy. International Journal of Agricultural Resources, Governance and Ecology, 2014, 10, 374.	0.0	4
38	A Meta-Analysis of Modifications of Root System Traits of Crop Plants to Potassium (K) Deprivation. , 0, , .		0