

# John O Agbenin

## List of Publications by Year in descending order

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65  
papers

1,369  
citations

279798

23  
h-index

361022

35  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Profile Storage and Deep Leaching of Soluble Nitrogen in a Savanna Soil under Continuous Cultivation and Fertilization for over Fifty Years in Nigeria. <i>Communications in Soil Science and Plant Analysis</i> , 2021, 52, 1493-1509.	1.4	0
2	Calcium-Ammonium Selectivity of Two Benchmark Soils from Botswana as Assessed by Competing Semi-empirical Ion Exchange Equations. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 2757-2773.	1.4	1
3	NUTRIENT BALANCES AND ECONOMIC PERFORMANCE IN URBAN AND PERI-URBAN VEGETABLE PRODUCTION SYSTEMS OF THREE WEST AFRICAN CITIES. <i>Experimental Agriculture</i> , 2015, 51, 126-150.	0.9	2
4	Charge Distribution and the Interactive Effect of pH and Ionic Strength on Phosphate Adsorption Properties of Two Benchmark Soils from Botswana. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 2821-2836.	1.4	3
5	Potassium-ammonium exchange of two benchmark soils from Botswana and its implication for nitrogen economy of the soils. <i>Archives of Agronomy and Soil Science</i> , 2014, 60, 827-840.	2.6	4
6	Lead enrichment, adsorption and speciation in urban garden soils under long-term wastewater irrigation in northern Nigeria. <i>Environmental Earth Sciences</i> , 2013, 69, 1861-1870.	2.7	4
7	Nutrient flows and balances in urban and peri-urban agroecosystems of Kano, Nigeria. <i>Nutrient Cycling in Agroecosystems</i> , 2013, 95, 231-254.	2.2	18
8	Field assessment of cadmium, lead and zinc contamination of soils and leaf vegetables under urban and peri-urban agriculture in northern Nigeria. <i>Archives of Agronomy and Soil Science</i> , 2013, 59, 875-887.	2.6	22
9	Suitability of Urban Wastes for Crop Production in Zaria, Northern Nigeria: Bioavailability, Phytotoxicity, and Fractions of Micronutrients. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 2720-2733.	1.4	1
10	The profile distribution of Zn and the Zn <sup>2+</sup> -pH isotherms of savanna alfisols irrigated with untreated wastewater in Northern Nigeria. <i>Chemical Speciation and Bioavailability</i> , 2013, 25, 97-105.	2.0	0
11	Adsorption and solid-solution compositional relationships of cadmium in tropical savannah soils from Northern Nigeria. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 1707-1717.	1.2	4
12	Impact of Cow Dung Manure on the Solubility of Copper, Lead, and Zinc in Urban Garden Soils from Northern Nigeria. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 2789-2800.	1.4	2
13	Suitability of urban wastes for crop production in Zaria, northern Nigeria: bioavailability and geochemical fractions of potentially toxic elements. <i>International Journal of Environmental Studies</i> , 2012, 69, 121-133.	1.6	2
14	Fractionation and mobility of cadmium and zinc in urban vegetable gardens of Kano, Northern Nigeria. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 2057-2066.	2.7	17
15	Bioavailability of copper, cadmium, zinc, and lead in tropical savanna soils assessed by diffusive gradient in thin films (DGT) and ion exchange resin membranes. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 2275-2284.	2.7	31
16	Vertical distribution of heavy metals in wastewater-irrigated vegetable garden soils of three West African cities. <i>Nutrient Cycling in Agroecosystems</i> , 2011, 89, 387-397.	2.2	59
17	Geochemical assessment, distribution, and dynamics of trace elements in urban agricultural soils under long-term wastewater irrigation in Kano, northern Nigeria. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 447-458.	1.9	28
18	Performance of commercial soil laboratories in a proficiency test program in Brazil. <i>Accreditation and Quality Assurance</i> , 2011, 16, 553-559.	0.8	3

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19	Phytoavailability, human risk assessment and transfer characteristics of cadmium and zinc contamination from urban gardens in Kano, Nigeria. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 2722-2730.	3.5	39
20	Extractability and Transformation of Copper and Zinc Added to Tropical Savanna Soil under Long-Term Pasture. <i>Communications in Soil Science and Plant Analysis</i> , 2010, 41, 1016-1027.	1.4	5
21	Heterovalent cation exchange in two savanna soils of different lithogenic origin as described by the Rothmund-Kornfeld model. <i>Geoderma</i> , 2010, 158, 128-136.	5.1	9
22	Fractionation and Prediction of Copper, Lead, and Zinc Uptake by Two Leaf Vegetables from Their Geochemical Fractions in Urban Garden Fields in Northern Nigeria. <i>Communications in Soil Science and Plant Analysis</i> , 2010, 41, 1028-1041.	1.4	13
23	Soil and vegetable compositional relationships of eight potentially toxic metals in urban garden fields from northern Nigeria. <i>Journal of the Science of Food and Agriculture</i> , 2009, 89, 49-54.	3.5	53
24	Nutrient Mineralization from Deoiled Neem Seed in a Savanna Soil from Nigeria. <i>Communications in Soil Science and Plant Analysis</i> , 2008, 39, 524-537.	1.4	0
25	KINETIC DESORPTION OF NATIVE PHOSPHORUS FROM SOILS OF VARYING LITHOGENIC ORIGINS IN THE NIGERIAN SAVANNA. <i>Soil Science</i> , 2008, 173, 837-844.	0.9	3
26	Effect of soil-dung manure incubation on the solubility and retention of applied phosphate by a weathered tropical semi-arid soil. <i>Geoderma</i> , 2006, 133, 191-203.	5.1	30
27	Potassium-calcium and potassium-magnesium exchange equilibria in an acid savanna soil from northern Nigeria. <i>Geoderma</i> , 2006, 136, 542-554.	5.1	26
28	The Effects of Crop Rotation and Nitrogen Fertilization on Soil Chemical and Microbial Properties in a Guinea Savanna Alfisol of Nigeria. <i>Plant and Soil</i> , 2006, 281, 97-107.	3.7	31
29	Distribution and Sorption of Phosphate in a Savanna Soil Under Improved Pastures in Northern Nigeria. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 493-511.	1.4	4
30	The status and dynamics of cadmium in a savanna soil with long history of phosphate and farmyard manure fertilization. <i>Archives of Agronomy and Soil Science</i> , 2006, 52, 563-570.	2.6	3
31	The microbial biomass properties of a savanna soil under improved grass and legume pastures in northern Nigeria. <i>Agriculture, Ecosystems and Environment</i> , 2005, 109, 245-254.	5.3	35
32	Dynamics of copper fractions and solubility in a savanna soil under continuous cultivation. <i>Nutrient Cycling in Agroecosystems</i> , 2004, 68, 117-125.	2.2	17
33	Free energy and kinetics of dissolution of Sokoto rock phosphate and the implications for replenishing phosphorus in the savanna soil of Nigeria. <i>European Journal of Soil Science</i> , 2004, 55, 55-61.	3.9	8
34	Competitive adsorption of copper and zinc by a Bt horizon of a savanna Alfisol as affected by pH and selective removal of hydrous oxides and organic matter. <i>Geoderma</i> , 2004, 119, 85-95.	5.1	124
35	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2003, 66, 259-270.	2.2	23
36	Copper Sorption Characteristics and Activity In a Savanna Acid Soil From Nigeria. <i>Water, Air, and Soil Pollution</i> , 2003, 150, 43-58.	2.4	13

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37	Zinc fractions and solubility in a tropical semi-arid soil under long-term cultivation. <i>Biology and Fertility of Soils</i> , 2003, 37, 83-89.	4.3	14
38	Extractable Iron and Aluminum Effects on Phosphate Sorption in a Savanna Alfisol. <i>Soil Science Society of America Journal</i> , 2003, 67, 589-595.	2.2	55
39	Soil Saturation Extract Composition and Sulfate Solubility in a Tropical Semiarid Soil. <i>Soil Science Society of America Journal</i> , 2003, 67, 1133-1139.	2.2	7
40	Extractable Iron and Aluminum Effects on Phosphate Sorption in a Savanna Alfisol. <i>Soil Science Society of America Journal</i> , 2003, 67, 589.	2.2	30
41	Lead in a Nigerian savanna soil under long-term cultivation. <i>Science of the Total Environment</i> , 2002, 286, 1-14.	8.0	32
42	The distribution and dynamics of chromium and nickel in cultivated and uncultivated semi-arid soils from Nigeria. <i>Science of the Total Environment</i> , 2002, 300, 189-199.	8.0	16
43	The impact of long-term cultivation and management history on the status and dynamics of cobalt in a savanna Alfisol in Nigeria. <i>European Journal of Soil Science</i> , 2002, 53, 169-174.	3.9	4
44	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2002, 64, 293-299.	2.2	3
45	The status and fluxes of alkali and alkaline-earth metals in a savanna Alfisol under long-term cultivation. <i>Catena</i> , 2001, 45, 313-331.	5.0	13
46	The status and dynamics of some trace elements in a savanna soil under long-term cultivation. <i>Science of the Total Environment</i> , 2001, 277, 57-68.	8.0	23
47	Kinetics and Energetics of Phosphate Release from Tropical Soils Determined by Mixed Ion-Exchange Resins. <i>Soil Science Society of America Journal</i> , 2001, 65, 1108-1114.	2.2	32
48	Assessment of nitrogen mineralization potential and availability from neem seed residue in a savanna soil. <i>Biology and Fertility of Soils</i> , 1999, 29, 408-412.	4.3	9
49	Rate processes of calcium, magnesium and potassium desorption from variable-charge soils by mixed ion-exchange resins. <i>Geoderma</i> , 1999, 93, 141-157.	5.1	16
50	Extraction of phytoavailable trace metals from tropical soils by mixed ion exchange resin modified with inorganic and organic ligands. <i>Science of the Total Environment</i> , 1999, 227, 187-196.	8.0	18
51	Dynamics of phosphorus fractions in a savanna Alfisol under continuous cultivation. <i>Soil Use and Management</i> , 1998, 14, 59-64.	4.9	41
52	A critical assessment of methods for determining organic phosphorus in savanna soils. <i>Biology and Fertility of Soils</i> , 1998, 28, 177-181.	4.3	7
53	Phosphate-induced zinc retention in a tropical semi-arid soil. <i>European Journal of Soil Science</i> , 1998, 49, 693-700.	3.9	59
54	Sulfate Retention by Kaolinitic Alfisols from Nigerian Savanna. <i>Soil Science Society of America Journal</i> , 1997, 61, 53-57.	2.2	18

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55	Carbon, nitrogen and phosphorus dynamics under continuous cultivation as influenced by farmyard manure and inorganic fertilizers in the savanna of northern Nigeria. <i>Agriculture, Ecosystems and Environment</i> , 1997, 63, 17-24.	5.3	67
56	The cation exchange properties and microbial carbon, nitrogen and phosphorus in savanna Alfisol under continuous cultivation. <i>Journal of the Science of Food and Agriculture</i> , 1997, 75, 412-418.	3.5	24
57	Apparent cultivation effect on boron sorption in an alfisol from the northern guinea savanna of Nigeria. <i>Arid Land Research and Management</i> , 1996, 10, 225-234.	0.3	0
58	Adsorbed phosphorus partitioning in some benchmark soils from Northeast Brazil. <i>Fertilizer Research</i> , 1995, 40, 185-191.	0.5	5
59	Phosphorus sorption by three cultivated savanna alfisols as influenced by pH. <i>Fertilizer Research</i> , 1995, 44, 107-112.	0.5	30
60	Soil properties and their variations on two contiguous hillslopes in Northeast Brazil. <i>Catena</i> , 1995, 24, 147-161.	5.0	21
61	Phosphorus Sorption at Field Capacity and Soil Ionic Strength: Kinetics and Transformation. <i>Soil Science Society of America Journal</i> , 1995, 59, 998-1005.	2.2	44
62	Phosphorus Forms in Particle-Size Fractions of a Toposequence from Northeast Brazil. <i>Soil Science Society of America Journal</i> , 1995, 59, 1687-1693.	2.2	45
63	Phosphorus transformations in a toposequence of lithosols and cambisols from semi-arid northeastern brazil. <i>Geoderma</i> , 1994, 62, 345-362.	5.1	49
64	THE EFFECTS OF SOIL PROPERTIES ON THE DIFFERENTIAL PHOSPHATE SORPTION BY SEMIARID SOILS FROM NORTHEAST BRAZIL. <i>Soil Science</i> , 1994, 157, 36-45.	0.9	39
65	Effect of boron and nitrogen fertilization on cowpea nodulation, mineral nutrition and grain yield. <i>Fertilizer Research</i> , 1990, 22, 71-78.	0.5	11