

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	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
2	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
3	Phosphate-induced zinc retention in a tropical semi-arid soil. <i>European Journal of Soil Science</i> , 1998, 49, 693-700.	3.9	59
4	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
5	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
6	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
7	Phosphorus transformations in a toposequence of lithosols and cambisols from semi-arid northeastern Brazil. <i>Geoderma</i> , 1994, 62, 345-362.	5.1	49
8	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
9	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
10	Dynamics of phosphorus fractions in a savanna Alfisol under continuous cultivation. <i>Soil Use and Management</i> , 1998, 14, 59-64.	4.9	41
11	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
12	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
13	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
14	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
15	Lead in a Nigerian savanna soil under long-term cultivation. <i>Science of the Total Environment</i> , 2002, 286, 1-14.	8.0	32
16	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
17	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
18	Phosphorus sorption by three cultivated savanna alfisols as influenced by pH. <i>Fertilizer Research</i> , 1995, 44, 107-112.	0.5	30

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19	Effect of soilâ€‘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
20	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
21	Geochemical assessment, distribution, and dynamics of trace elements in urban agricultural soils under longâ€‘term wastewater irrigation in Kano, northern Nigeria. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 447-458.	1.9	28
22	Potassiumâ€‘calcium and potassiumâ€‘magnesium exchange equilibria in an acid savanna soil from northern Nigeria. <i>Geoderma</i> , 2006, 136, 542-554.	5.1	26
23	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
24	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
25	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2003, 66, 259-270.	2.2	23
26	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
27	Soil properties and their variations on two contiguous hillslopes in Northeast Brazil. <i>Catena</i> , 1995, 24, 147-161.	5.0	21
28	Sulfate Retention by Kaolinitic Alfisols from Nigerian Savanna. <i>Soil Science Society of America Journal</i> , 1997, 61, 53-57.	2.2	18
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	Adsorbed phosphorus partitioning in some benchmark soils from Northeast Brazil. <i>Fertilizer Research</i> , 1995, 40, 185-191.	0.5	5
46	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
47	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
48	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
49	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
50	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
51	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
52	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2002, 64, 293-299.	2.2	3
53	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
54	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

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55	Performance of commercial soil laboratories in a proficiency test program in Brazil. Accreditation and Quality Assurance, 2011, 16, 553-559.	0.8	3
56	Charge Distribution and the Interactive Effect of pH and Ionic Strength on Phosphate Adsorption Properties of Two Benchmark Soils from Botswana. Communications in Soil Science and Plant Analysis, 2015, 46, 2821-2836.	1.4	3
57	Impact of Cow Dung Manure on the Solubility of Copper, Lead, and Zinc in Urban Garden Soils from Northern Nigeria. Communications in Soil Science and Plant Analysis, 2012, 43, 2789-2800.	1.4	2
58	Suitability of urban wastes for crop production in Zaria, northern Nigeria: bioavailability and geochemical fractions of potentially toxic elements. International Journal of Environmental Studies, 2012, 69, 121-133.	1.6	2
59	NUTRIENT BALANCES AND ECONOMIC PERFORMANCE IN URBAN AND PERI-URBAN VEGETABLE PRODUCTION SYSTEMS OF THREE WEST AFRICAN CITIES. Experimental Agriculture, 2015, 51, 126-150.	0.9	2
60	Suitability of Urban Wastes for Crop Production in Zaria, Northern Nigeria: Bioavailability, Phytotoxicity, and Fractions of Micronutrients. Communications in Soil Science and Plant Analysis, 2013, 44, 2720-2733.	1.4	1
61	Calcium-Ammonium Selectivity of Two Benchmark Soils from Botswana as Assessed by Competing Semi-empirical Ion Exchange Equations. Communications in Soil Science and Plant Analysis, 2015, 46, 2757-2773.	1.4	1
62	Apparent cultivation effect on boron sorption in an alfisol from the northern guinea savanna of Nigeria. Arid Land Research and Management, 1996, 10, 225-234.	0.3	0
63	Nutrient Mineralization from Deoiled Neem Seed in a Savanna Soil from Nigeria. Communications in Soil Science and Plant Analysis, 2008, 39, 524-537.	1.4	0
64	The profile distribution of Zn and the Zn ²⁺ -pH isotherms of savanna alfisols irrigated with untreated wastewater in Northern Nigeria. Chemical Speciation and Bioavailability, 2013, 25, 97-105.	2.0	0
65	Profile Storage and Deep Leaching of Soluble Nitrogen in a Savanna Soil under Continuous Cultivation and Fertilization for over Fifty Years in Nigeria. Communications in Soil Science and Plant Analysis, 2021, 52, 1493-1509.	1.4	0