Adedayo Oluwaseun Ademiluyi

List of Publications by Citations

89 papers	2,640 citations	27 h-index	49 g-index
90 ext. papers	3,231 ext. citations	2.9 avg, IF	5.46 L-index

#	Paper	IF	Citations
89	Biological Activities of Essential Oils: From Plant Chemoecology to Traditional Healing Systems. *Molecules*, **2017**, 22,	4.8	274
88	Soybean phenolic-rich extracts inhibit key-enzymes linked to type 2 diabetes (α-amylase and α-glucosidase) and hypertension (angiotensin I converting enzyme) in vitro. *Experimental and Toxicologic Pathology*, **2013**, 65, 305-9		192
87	Comparative study on the inhibitory effect of caffeic and chlorogenic acids on key enzymes linked to Alzheimer's disease and some pro-oxidant induced oxidative stress in rats' brain-in vitro. *Neurochemical Research*, **2013**, 38, 413-9	4.6	178
86	Caffeic and chlorogenic acids inhibit key enzymes linked to type 2 diabetes (in vitro): a comparative study. *Journal of Basic and Clinical Physiology and Pharmacology*, **2015**, 26, 165-70	1.6	154
85	Inhibitory effect of polyphenol-rich extracts of jute leaf (Corchorus olitorius) on key enzyme linked to type 2 diabetes (α-amylase and α-glucosidase) and hypertension (angiotensin I converting) in vitro. *Journal of Functional Foods*, **2012**, 4, 450-458	5.1	152
84	Cardio-protective and antioxidant properties of caffeic acid and chlorogenic acid: Mechanistic role of angiotensin converting enzyme, cholinesterase and arginase activities in cyclosporine induced hypertensive rats. *Biomedicine and Pharmacotherapy*, **2019**, 109, 450-458	7.5	100
83	Antioxidant and inhibitory effect of red ginger (Zingiber officinale var. Rubra) and white ginger (Zingiber officinale Roscoe) on Fe(2+) induced lipid peroxidation in rat brain in vitro. *Experimental and Toxicologic Pathology*, **2012**, 64, 31-6		85
82	Antiulcer Agents: From Plant Extracts to Phytochemicals in Healing Promotion. *Molecules*, **2018**, 23,	4.8	79
81	Inhibition of acetylcholinesterase activities and some pro-oxidant induced lipid peroxidation in rat brain by two varieties of ginger (Zingiber officinale). *Experimental and Toxicologic Pathology*, **2012**, 64, 315-9		76
80	Changes in Polyphenols Distribution and Antioxidant Activity during Fermentation of Some Underutilized Legumes. *Food Science and Technology International*, **2009**, 15, 41-46	2.6	58
79	Phytochemicals in Infections: What Are We Doing Now?. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	57
78	Phenolic Extract from Moringa oleifera Leaves Inhibits Key Enzymes Linked to Erectile Dysfunction and Oxidative Stress in Rats' Penile Tissues. *Biochemistry Research International*, **2015**, 2015, 175950	2.4	56
77	Biological activities, antioxidant properties and phytoconstituents of essential oil from sweet basil (Ocimum basilicum L.) leaves. *Comparative Clinical Pathology*, **2016**, 25, 169-176	0.9	50
76	Aqueous extracts of Roselle (Hibiscus sabdariffa Linn.) varieties inhibit α-amylase and α-glucosidase activities in vitro. *Journal of Medicinal Food*, **2013**, 16, 88-93	2.8	43
75	The effect of roasting on the nutritional and antioxidant properties of yellow and white maize varieties. *International Journal of Food Science and Technology*, **2010**, 45, 1236-1242	3.8	42
74	Effect of fermented soybean condiment supplemented diet on α-amylase and α-glucosidase activities in Streptozotocin-induced diabetic rats. *Journal of Functional Foods*, **2014**, 9, 1-9	5.1	41
73	Inhibition of angiotensin-1-converting enzyme activity by two varieties of ginger (Zingiber officinale) in rats fed a high cholesterol diet. *Journal of Medicinal Food*, **2014**, 17, 317-23	2.8	38

72	Inhibition of amylase and glucosidase activities by ethanolic extract of Telfairia occidentalis (fluted pumpkin) leaf. *Asian Pacific Journal of Tropical Biomedicine*, **2012**, 2, 733-8	1.4	37
71	Effect of combination on the antioxidant and inhibitory properties of tropical pepper varieties against amylase and glucosidase activities in vitro. *Journal of Medicinal Food*, **2011**, 14, 1152-8	2.8	37
70	Aqueous extracts of avocado pear (Persea americana Mill.) leaves and seeds exhibit anti-cholinesterases and antioxidant activities in vitro. *Journal of Basic and Clinical Physiology and Pharmacology*, **2016**, 27, 131-40	1.6	33
69	ANTIOXIDANT PROPERTIES OF CONDIMENT PRODUCED FROM FERMENTED BAMBARA GROUNDNUT (VIGNA SUBTERRANEA L. VERDC). *Journal of Food Biochemistry*, **2011**, 35, 1145-1160	3.3	33
68	Aqueous extracts of two varieties of ginger (Zingiber officinale) inhibit angiotensin I-converting enzyme, iron(II), and sodium nitroprusside-induced lipid peroxidation in the rat heart in vitro. *Journal of Medicinal Food*, **2013**, 16, 641-6	2.8	31
67	Antioxidant properties and in vitro amylase and glucosidase inhibitory properties of phenolics constituents from different varieties of Corchorus spp.. *Journal of Taibah University Medical Sciences*, **2015**, 10, 278-287	1.7	30
66	-Derived Natural Products with Potential for Use in Health Maintenance. *Biomolecules*, **2019**, 9,	5.9	29
65	Inhibitory Effect of Garlic, Purple Onion, and White Onion on Key Enzymes Linked with Type 2 Diabetes and Hypertension. *Journal of Dietary Supplements*, **2019**, 16, 105-118	2.3	28
64	Drying alters the phenolic constituents, antioxidant properties, amylase, and glucosidase inhibitory properties of Moringa () leaf. *Food Science and Nutrition*, **2018**, 6, 2123-2133	3.2	28
63	Alkaloid extracts from Jimson weed (Datura stramonium L.) modulate purinergic enzymes in rat brain. *NeuroToxicology*, **2016**, 56, 107-117	4.4	27
62	Insecticidal activity of essential oil from orange peels (Citrus sinensis) against Tribolium confusum, Callosobruchus maculatus and Sitophilus oryzae and its inhibitory effects on acetylcholinesterase and Na+/K+-ATPase activities. *Phytoparasitica*, **2017**, 45, 501-508	1.5	26
61	Modulatory effects of dietary inclusion of garlic (Allium sativum) on gentamycin-induced hepatotoxicity and oxidative stress in rats. *Asian Pacific Journal of Tropical Biomedicine*, **2013**, 3, 470-5	1.4	26
60	A comparative study on antihypertensive and antioxidant properties of phenolic extracts from fruit and leaf of some guava (Psidium guajava L.) varieties. *Comparative Clinical Pathology*, **2016**, 25, 363-374	0.9	25
59	Phenolic compounds from sandpaper (ficus exasperata) leaf inhibits angiotensin 1 converting enzyme in high cholesterol diet fed rats. *Journal of Ethnopharmacology*, **2014**, 157, 119-25	5	25
58	In Vitro Studies on the Antioxidant Property and Inhibition of Amylase, Glucosidase, and Angiotensin I-Converting Enzyme by Polyphenol-Rich Extracts from Cocoa (Theobroma cacao) Bean. *Pathology Research International*, **2014**, 2014, 549287		25
57	Attenuation of gentamycin-induced nephrotoxicity in rats by dietary inclusion of ginger (Zingiber officinale) and turmeric (Curcuma longa) rhizomes. *Nutrition and Health*, **2012**, 21, 209-18	2.1	24
56	IN VITRO ANTIDIABETES AND ANTIHYPERTENSION PROPERTIES OF PHENOLIC EXTRACTS FROM BITTER LEAF (VERNONIA AMYGDALINA DEL.). *Journal of Food Biochemistry*, **2012**, 36, 569-576	3.3	24
55	Green leafy vegetables from two Solanum spp. (L and L) ameliorate scopolamine-induced cognitive and neurochemical impairments in rats. *Food Science and Nutrition*, **2018**, 6, 860-870	3.2	23

54	Plants-Drifting from Farm to Food Applications, Phytotherapy, and Phytopharmacology. *Foods*, **2019**, 8,	4.9	23
53	Inhibition of key enzymes linked to type 2 diabetes and sodium nitroprusside-induced lipid peroxidation in rat pancreas by water-extractable phytochemicals from unripe pawpaw fruit (Carica papaya). *Journal of Basic and Clinical Physiology and Pharmacology*, **2014**, 25, 21-34	1.6	22
52	Phenolic-rich extracts from selected tropical underutilized legumes inhibit α-amylase, α-glucosidase, and angiotensin I converting enzyme in vitro. *Journal of Basic and Clinical Physiology and Pharmacology*, **2012**, 23, 17-25	1.6	22
51	Effect of Two Ginger Varieties on Arginase Activity in Hypercholesterolemic Rats. *JAMS Journal of Acupuncture and Meridian Studies*, **2016**, 9, 80-7	1.2	21
50	Dietary supplementation with fermented legumes modulate hyperglycemia and acetylcholinesterase activities in Streptozotocin-induced diabetes. *Pathophysiology*, **2015**, 22, 195-201	1.8	20
49	Polyphenolic compositions and angiotensin-I-converting enzyme inhibitory properties of common green leafy vegetables: A comparative study. *Food Science and Biotechnology*, **2016**, 25, 1243-1249	3	20
48	Modulation of some markers of erectile dysfunction and malonaldehyde levels in isolated rat penile tissue with unripe and ripe plantain peels: identification of the constituents of the plants using HPLC. *Pharmaceutical Biology*, **2017**, 55, 1920-1926	3.8	20
47	Attenuation of oxidative stress and hepatic damage by some fermented tropical legume condiment diets in streptozotocin-induced diabetes in rats. *Asian Pacific Journal of Tropical Medicine*, **2012**, 5, 692-7	2.1	20
46	Cabbage and cucumber extracts exhibited anticholinesterase, antimonoamine oxidase and antioxidant properties. *Journal of Food Biochemistry*, **2017**, 41, e12358	3.3	16
45	Inhibitory effect of some tropical green leafy vegetables on key enzymes linked to Alzheimer's disease and some pro-oxidant induced lipid peroxidation in rats' brain. *Journal of Food Science and Technology*, **2014**, 51, 884-91	3.3	16
44	Gallic acid protects against neurochemical alterations in transgenic Drosophila model of Alzheimer's disease. *Advances in Traditional Medicine*, **2020**, 20, 89-98	1.4	16
43	Jimson weed (Datura stramonium L.) alkaloid extracts modulate cholinesterase and monoamine oxidase activities in vitro: possible modulatory effect on neuronal function. *Comparative Clinical Pathology*, **2016**, 25, 733-741	0.9	15
42	Contribution of Musa paradisiaca in the inhibition of α-amylase, α-glucosidase and Angiotensin-I converting enzyme in streptozotocin induced rats. *Life Sciences*, **2015**, 133, 8-14	6.8	14
41	Apium Plants: Beyond Simple Food and Phytopharmacological Applications. *Applied Sciences (Switzerland)*, **2019**, 9, 3547	2.6	14
40	Influence of gallic and tannic acid on therapeutic properties of acarbose in vitro and in vivo in Drosophila melanogaster. *Biomedical Journal*, **2019**, 42, 317-327	7.1	13
39	Inhibitory effect of polyphenolic-rich extract from Cola nitida (Kolanut) seed on key enzyme linked to type 2 diabetes and Fe(2+) induced lipid peroxidation in rat pancreas in vitro. *Asian Pacific Journal of Tropical Biomedicine*, **2014**, 4, S405-12	1.4	13
38	Inhibitory Effect of Phenolic Extract from Garlic on Angiotensin-1 Converting Enzyme and Cisplatin induced Lipid Peroxidation - In Vitro. *International Journal of Biomedical Science*, **2013**, 9, 98-106		12
37	Polyphenolic Composition and Evaluation of Antioxidant Activity, Osmotic Fragility and Cytotoxic Effects of Raphiodon echinus (Nees & Mart.) Schauer. *Molecules*, **2015**, 21, E2	4.8	12

36	Sorghum [Sorghum bicolor (L.) Moench] leaf sheath dye protects against cisplatin-induced hepatotoxicity and oxidative stress in rats. *Journal of Medicinal Food*, **2014**, 17, 1332-8	2.8	11
35	Angiotensin I-converting enzyme inhibitory activity and hypocholesterolemic effect of some fermented tropical legumes in streptozotocin-induced diabetic rats. *International Journal of Diabetes in Developing Countries*, **2015**, 35, 493-500	0.8	10
34	Fluted pumpkin (Telfairia occidentalis) seed modulates some markers of erectile function in isolated rat's corpus cavernosum: Influence of polyphenol and amino acid constituents. *Journal of Food Biochemistry*, **2019**, 43, e13037	3.3	10
33	Consumption of thermally oxidized palm oil diets alters biochemical indices in rats. *Beni-Suef University Journal of Basic and Applied Sciences*, **2015**, 4, 150-156	2.2	10
32	Interaction of aqueous extracts of two varieties of Yam tubers (Dioscorea spp) on some key enzymes linked to type 2 Diabetes in vitro. *International Journal of Food Science and Technology*, **2012**, 47, 703-709	3.8	10
31	Tiger nut (Cyperus esculentus L.) supplemented diet modulate key biochemical indices relevant to erectile function in male rats. *Journal of Functional Foods*, **2017**, 34, 152-158	5.1	8
30	Dietary inclusion of sorghum (Sorghum bicolour) straw dye protects against cisplatin-induced nephrotoxicity and oxidative stress in rats. *Pharmaceutical Biology*, **2014**, 52, 829-34	3.8	7
29	Drying Methods Alter Angiotensin-I Converting Enzyme Inhibitory Activity, Antioxidant Properties, and Phenolic Constituents of African Mistletoe (Loranthus bengwensis L) Leaves. *Journal of Evidence-Based Complementary & Alternative Medicine*, **2016**, 21, 260-70		6
28	Phenolic analysis and erectogenic function of African Walnut (Tetracarpidium conophorum) seeds: The impact of the seed shell on biological activity. *Journal of Food Biochemistry*, **2019**, 43, e12815	3.3	6
27	Phenolic Constituents and Inhibitory Effects of Hibiscus sabdariffa L. (Sorrel) Calyx on Cholinergic, Monoaminergic, and Purinergic Enzyme Activities. *Journal of Dietary Supplements*, **2018**, 15, 910-922	2.3	6
26	Solanum leaves extracts exhibit antioxidant properties and inhibit monoamine oxidase and acetylcholinesterase activities (in vitro) in Drosophila melanogaster. *Journal of Basic and Clinical Physiology and Pharmacology*, **2020**, 31,	1.6	6
25	Phenolic Bioactives as Antiplatelet Aggregation Factors: The Pivotal Ingredients in Maintaining Cardiovascular Health. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 2195902	6.7	5
24	In vitro inhibitory effects of mistletoes (Loranthus begwensis L.) phenolic-rich extracts on α-amylase, α-glucosidase, and angiotensin converting enzyme activities. *Journal of Food Biochemistry*, **2018**, 42, e12504	3.3	4
23	Phenolic extracts and amino acids content from and inhibit relevant enzymes of erectile dysfunction in rat's penile tissue. *Biochemistry and Biophysics Reports*, **2017**, 12, 5-11	2.2	4
22	Comparative study of the phenolic profile, antioxidant properties, and inhibitory effects of Moringa (Moringa oleifera Lam.) and Almond (Terminalia catappa Linn.) leaves on acetylcholinesterase and monoamine oxidase activities in the head region of Fruitfly (Drosophila melanogaster Meigen) in vitro. *Journal of Food Biochemistry*, **2021**, 45, e13401	3.3	4
21	Dietary supplementation of jute leaf (Corchorus olitorius) modulates hepatic delta-aminolevulinic acid dehydratase (δ-ALAD) activity and oxidative status in high-fat fed/low streptozotocin-induced diabetic rats. *Journal of Food Biochemistry*, **2019**, 43, e12949	3.3	3
20	Effects of drying on cholinesterases and angiotensin-I converting enzyme inhibitory potential and phenolic constituents of African mistletoe (Loranthus bengwensis L) leaves from kolanut host tree. *Journal of Food Biochemistry*, **2018**, 42, e12510	3.3	3
19	Effect of fermented legume seeds on some key enzymes relevant to erectile dysfunction in vitro. *Journal of Food Biochemistry*, **2018**, 42, e12437	3.3	3

18	Local salt substitutes "Obu-otoyo" activate acetylcholinesterase and butyrylcholinesterase and induce lipid peroxidation in rat brain. *Interdisciplinary Toxicology*, **2015**, 8, 139-45	2.3	3
17	Antioxidant properties and inhibitory effect of ethanolic extract of Struchium sparganophora (Ewuro Odo) leaf on □amylase and □glucosidase activities. *Tropical Journal of Obstetrics and Gynaecology*, **2012**, 9, 342-9	0.3	3
16	Modulatory effects of moringa (Moringa oleifera L.) leaves infested with African mistletoe (Tapinanthus bangwensis L.) on the antioxidant, antidiabetic, and neurochemical indices in high sucrose diet-induced diabetic-like phenotype in fruit flies (Drosophila melanogaster M.). *Journal of Food Biochemistry*, **2021**, 45, e13318	3.3	3
15	Toxicological evaluation of aqueous extract of different varieties of guava (Psidium guajava Linn) leaves. *Comparative Clinical Pathology*, **2019**, 28, 1689-1697	0.9	2
14	Interaction of some commercial teas with some carbohydrate metabolizing enzymes linked with type-2 diabetes: a dietary intervention in the prevention of type-2 diabetes. *Advances in Preventive Medicine*, **2014**, 2014, 534082	1.7	2
13	Dietary inclusion of local salt substitutes induces oxidative stress and renal dysfunction in rats. *Reviews on Environmental Health*, **2014**, 29, 355-61	3.8	2
12	Effect of dietary inclusion of salt substitutes "Obu-Otoyo" on some biochemical indices in rat. *Food and Chemical Toxicology*, **2012**, 50, 2873-7	4.7	2
11	Effect of Solanum vegetables on memory index, redox status, and expressions of critical neural genes in Drosophila melanogaster model of memory impairment.. *Metabolic Brain Disease*, **2022**, 1	3.9	2
10	Tropical Food Spices: A Promising Panacea for the Novel Coronavirus Disease (COVID-19). *EFood*, **2020**, 1, 347	1.9	2
9	Impact of drying processes on Bryophyllum pinnatum phenolic constituents and its anti-inflammatory and antioxidative activities in human erythrocytes. *Journal of Food Biochemistry*, **2021**, 45, e13298	3.3	2
8	African mistletoe (Tapinanthus bangwensis Lor.) infestation improves the phenolic constituents, antioxidative and antidiabetic effects of almond (Terminalia catappa Linn.) host leaf in sucrose-rich diet-induced diabetic-like phenotypes in fruit fly (Drosophila melanogaster Meigen). *Food Frontiers*, **2021**, 2, 77-90	4.2	2
7	Local condiments from fermented tropical legume seeds modulate activities of critical enzymes relevant to cardiovascular diseases and endothelial function. *Food Science and Nutrition*, **2018**, 6, 602-608	3.2	1
6	Phenolic constituents and inhibitory effects of the leaf of Afzel on free radicals, cholinergic and monoaminergic enzymes in rat's brain. *Journal of Basic and Clinical Physiology and Pharmacology*, **2020**, 32, 987-994	1.6	1
5	Dietary monosodium glutamate altered redox status and dopamine metabolism in lobster cockroach (Nauphoeta cinerea). *Journal of Food Biochemistry*, **2020**, 44, e13451	3.3	1
4	Host-parasite relationship modulates the effect of African mistletoe leaves on the cholinergic, monoaminergic and carbohydrate hydrolyzing enzymes in fruit fly. *Journal of Basic and Clinical Physiology and Pharmacology*, **2021**,	1.6	1
3	Influence of cooking on the neuroprotective properties of pepper (bird pepper and cayenne pepper) varieties in scopolamine-induced neurotoxicity in rats. *Journal of Food Processing and Preservation*, **2020**, 44, e14959	2.1	
2	Ferulic acid and quercetin improve behavioral and neurochemical deficits in tartrazine-induced intoxication in fruit flies (Drosophila melanogaster). *Comparative Clinical Pathology*, **2022**, 31, 97-107	0.9	
1	Evaluating Water bitter leaf () and Scent Leaf (extracts as sources of nutraceuticals against manganese-induced toxicity in fruit fly model.. *Drug and Chemical Toxicology*, **2022**, 1-11	2.3	