

Basiru O Ajiboye

List of Publications by Year in descending order

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64
papers

851
citations

471509
17
h-index

610901
24
g-index

67
all docs

67
docs citations

67
times ranked

826
citing authors

#	ARTICLE	IF	CITATIONS
1	HPLC-DAD fingerprinting analysis, antioxidant activities of <i>Tithonia diversifolia</i> (Hemsl.) A. Gray leaves and its inhibition of key enzymes linked to Alzheimer's disease. <i>Toxicology Reports</i> , 2018, 5, 585-592.	3.3	36
2	In vitro antioxidant activities and inhibitory effects of phenolic extract of <i>Senecio bialfræ</i> (Oliv and Hiern) against key enzymes linked with type 2 diabetes mellitus and Alzheimer's disease. <i>Food Science and Nutrition</i> , 2018, 6, 1803-1810.	3.4	36
3	Protective effect of <i>Irvingia gabonensis</i> stem bark extract on cadmium-induced nephrotoxicity in rats. <i>Interdisciplinary Toxicology</i> , 2014, 7, 208-214.	1.0	32
4	Inhibitory effect on key enzymes relevant to acute type-2 diabetes and antioxidative activity of ethanolic extract of <i>Artocarpus heterophyllus</i> stem bark. <i>Journal of Acute Disease</i> , 2016, 5, 423-429.	0.3	32
5	Anti-Hyperglycemic and Anti-Inflammatory Activities of Polyphenolic-Rich Extract of <i>Syzygium cumini</i> Linn Leaves in Alloxan-Induced Diabetic Rats. <i>Journal of Evidence-based Integrative Medicine</i> , 2018, 23, 2515690X1877063.	2.6	32
6	<i>Aframomum melegueta</i> secondary metabolites exhibit polypharmacology against SARS-CoV-2 drug targets: in vitro validation of furin inhibition. <i>Phytotherapy Research</i> , 2021, 35, 908-919.	5.8	30
7	Inhibitory Effects of Solvent-Partitioned Fractions of Two Nigerian Herbs (<i>Spondias mombin</i> Linn. and <i>Tj ETQq1</i>) on BT /Over	0.784314 5.1	29
8	Antidiabetic activity of avocado seeds (<i>Persea americana</i> Mill.) in diabetic rats via activation of PI3K/AKT signaling pathway. <i>Scientific Reports</i> , 2022, 12, 2919.	3.3	29
9	Ethyl acetate leaf fraction of <i>Cnidioscolus aconitifolius</i> (Mill.) I. M. Johnston: antioxidant potential, inhibitory activities of key enzymes on carbohydrate metabolism, cholinergic, monoaminergic, purinergic, and chemical fingerprinting. <i>International Journal of Food Properties</i> , 2018, 21, 1697-1715.	3.0	25
10	Ameliorative Activity of Ethanolic Extract of <i>Artocarpus heterophyllus</i> Stem Bark on Alloxan-induced Diabetic Rats. <i>Advanced Pharmaceutical Bulletin</i> , 2018, 8, 141-147.	1.4	24
11	Significance of Antioxidants in the Treatment and Prevention of Neurodegenerative Diseases. <i>The Journal of Phytopharmacology</i> , 2019, 8, 75-83.	0.3	24
12	Cardioprotective and antioxidant influence of aqueous extracts from <i>Sesamum indicum</i> seeds on oxidative stress induced by cadmium in wistar rats. <i>Pharmacognosy Magazine</i> , 2016, 12, 170.	0.6	24
13	<i>Ocimum gratissimum</i> Linn. Leaves reduce the key enzymes activities relevant to erectile dysfunction in isolated penile and testicular tissues of rats. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 71.	3.7	21
14	Structure-Based Docking Studies of GLUT4 Towards Exploring Selected Phytochemicals from <i>Solanum xanthocarpum</i> as a Therapeutic Target for the Treatment of Cancer. <i>Current Drug Discovery Technologies</i> , 2019, 16, 406-416.	1.2	21
15	Antidiabetic activity of watermelon (<i>Citrullus lanatus</i>) juice in alloxan-induced diabetic rats. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 343-352.	1.9	21
16	Antioxidative Properties of <i>Blighia sapida</i> K.D. Koenig Stem Bark Extract and Inhibitory Effects on Carbohydrate Hydrolyzing Enzymes Associated with Non-Insulin Dependent Diabetes Mellitus. <i>Pharmacognosy Journal</i> , 2018, 10, 376-383.	0.8	21
17	Antihyperglycemic and antidiabetic activity of <i>Musa paradisiaca</i> -based diet in alloxan-induced diabetic rats. <i>Food Science and Nutrition</i> , 2018, 6, 137-145.	3.4	19
18	<i>Gongronema latifolium</i> Benth. leaf extract attenuates diabetes-induced neuropathy via inhibition of cognitive, oxidative stress and inflammatory response. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 4504-4511.	3.5	19

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19	Ameliorative potential of <i>Blighia sapida</i> K.D. Koenig bark against pancreatic β -cell dysfunction in alloxan-induced diabetic rats. <i>Journal of Complementary and Integrative Medicine</i> , 2017, 14, .	0.9	18
20	Chromatographic fingerprint analysis, antioxidant properties, and inhibition of cholinergic enzymes (acetylcholinesterase and butyrylcholinesterase) of phenolic extracts from <i>Irvingia gabonensis</i> (Aubry-Lecomte ex Oâ€™Rourke) Baill bark. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2018, 29, 217-224.	1.3	18
21	Antihyperglycaemia and related gene expressions of aqueous extract of <i>Gongronema latifolium</i> leaf in alloxan-induced diabetic rats. <i>Pharmaceutical Biology</i> , 2019, 57, 604-611.	2.9	18
22	<i>Spondias mombim</i> L. (Anacardiaceae): Chemical fingerprints, inhibitory activities, and molecular docking on key enzymes relevant to erectile dysfunction and Alzheimer’s diseases. <i>Journal of Food Biochemistry</i> , 2019, 43, e12772.	2.9	18
23	Deciphering the interaction of puerarin with cancer macromolecules: An <i>in silico</i> investigation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 848-859.	3.5	18
24	<i>Sterculia tragacantha</i> Lindl Leaf Extract Ameliorates STZ-Induced Diabetes, Oxidative Stress, Inflammation and Neuronal Impairment. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 6749-6764.	3.5	18
25	<i>Bryophyllum pinnatum</i> inhibits arginase II activity and prevents oxidative damage occasioned by carbon tetrachloride (CCl ₄) in rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 8-13.	5.6	14
26	Aqueous extract of <i>Carica papaya</i> Linn. roots potentially attenuates arsenic induced biochemical and genotoxic effects in Wistar rats. <i>Journal of Traditional and Complementary Medicine</i> , 2018, 8, 324-334.	2.7	14
27	<i>Cnidioscolus aconitifolius</i> (Mill.) I. M. Johnston leaf extract prevents oxidative hepatic injury and improves muscle glucose uptake <i>ex vivo</i> . <i>Journal of Food Biochemistry</i> , 2019, 43, e13065.	2.9	14
28	Inhibitory effect of ethyl acetate fraction of <i>Solanum macrocarpon</i> L. leaves on cholinergic, monoaminergic, and purinergic enzyme activities. <i>Journal of Food Biochemistry</i> , 2018, 42, e12643.	2.9	13
29	Inhibitory effect of <i>Bryophyllum pinnatum</i> (Lam.) Oken leaf extract and their fractions on α -amylase, α -glucosidase and cholinesterase enzyme. <i>Pharmacognosy Journal</i> , 2018, 10, 497-506.	0.8	13
30	Modulatory Effect of Methanol Extract of <i>Piper guineense</i> in CCl ₄ -Induced Hepatotoxicity in Male Rats. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 955.	2.6	12
31	Greenâ€‘route mediated synthesis of silver nanoparticles (AgNPs) from <i>Syzygium cumini</i> (L.) Skeels polyphenolic-rich leaf extracts and investigation of their antimicrobial activity. <i>IET Nanobiotechnology</i> , 2018, 12, 305-310.	3.8	12
32	Prophylactic Effects of Ethanolic Extract of <i>Irvingia gabonensis</i> Stem Bark against Cadmium-Induced Toxicity in Albino Rats. <i>Advances in Pharmaceutics</i> , 2014, 2014, 1-8.	0.5	11
33	In vitro antioxidant and enzyme inhibitory properties of the n-butanol fraction of <i>Senna podocarpa</i> (Guill. and Perr.) leaf. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2020, 31, .	1.3	11
34	Investigation of the In Vitro Antioxidant Potential Of Polyphenolic-Rich Extract of <i>Artocarpus heterophyllus</i> Lam Stem Bark and Its Antidiabetic Activity In Streptozotocin-Induced Diabetic Rats. <i>Journal of Evidence-based Integrative Medicine</i> , 2020, 25, 2515690X2091612.	2.6	11
35	Ameliorative potential of <i>Sterculia tragacantha</i> aqueous extract on renal gene expression and biochemical parameters in streptozotocin-induced diabetic rats. <i>Journal of Pharmaceutical Investigation</i> , 2021, 51, 103-113.	5.3	11
36	Nephroprotective and anti-inflammatory potential of aqueous extract from <i>Persea americana</i> seeds against cadmium-induced nephrotoxicity in Wistar rats. <i>BioMetals</i> , 2021, 34, 1141-1153.	4.1	11

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37	Effect of <i>Zingiber officinale</i> on some biochemical parameters and cytogenic analysis in lead-induced toxicity in experimental rats. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 255-262.	2.7	10
38	Neuromodulatory effects of ethyl acetate fraction of <i>Zingiber officinale</i> Roscoe extract in rats with lead-induced oxidative stress. <i>Journal of Integrative Medicine</i> , 2019, 17, 125-131.	3.1	10
39	<i>Gongronema latifolium</i> leaf extract modulates hyperglycaemia, inhibits redox imbalance and inflammation in alloxan-induced diabetic nephropathy. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 469-481.	1.9	10
40	Prophylactic effect of aqueous extract of <i>Sesamum indicum</i> seeds on ethanol-induced toxicity in male rats. <i>Nutrition Research and Practice</i> , 2014, 8, 54.	1.9	9
41	Antidiabetic Activity of <i>Triticum aestivum</i> Seed-Based Diet on Alloxan-Induced Diabetic Rats. <i>Journal of Dietary Supplements</i> , 2020, 17, 133-149.	2.6	8
42	Ameliorative Activity of Ethanol Extract of <i>Artocarpus heterophyllus</i> Stem Bark on Pancreatic β -Cell Dysfunction in Alloxan-Induced Diabetic Rats. <i>Journal of Evidence-Based Complementary & Alternative Medicine</i> , 2017, 22, 538-543.	1.5	7
43	Effect of <i>Solanum macrocarpon</i> Linn leaf aqueous extract on the brain of an alloxan-induced rat model of diabetes. <i>Journal of International Medical Research</i> , 2020, 48, 030006052092264.	1.0	6
44	Antihyperlipidemic Activities and Hematological Properties of Ethanol Extract of <i>Blighia Sapida</i> Koenig Bark in Alloxan-Induced Diabetic Rats. <i>Serbian Journal of Experimental and Clinical Research</i> , 2020, 21, 11-17.	0.1	6
45	HEMATOLOGICAL PROPERTIES OF <i>IRVINGIA GABONENSIS</i> IN MALE ADULT RATS. <i>Journal of Pharmaceutical and Scientific Innovation</i> , 2014, 3, 434-436.	0.1	6
46	Screening of potential antidiabetic phytochemicals from <i>Gongronema latifolium</i> leaf against therapeutic targets of type 2 diabetes mellitus: multi-targets drug design. <i>SN Applied Sciences</i> , 2022, 4, .	2.9	6
47	Aqueous extract of <i>Solanum macrocarpon</i> Linn leaves abates hyperglycaemia and expression of glucose transporters gene in alloxan-induced diabetic rats. <i>Journal of Endocrinological Investigation</i> , 2021, 44, 265-276.	3.3	5
48	<i>Garcinia Kola</i> Extracts Improve Biochemical Markers Associated with Erectile Function: Possible Applications in Clinical Treatment?. <i>Acta Facultatis Medicae Naissensis</i> , 2019, 36, 15-26.	0.4	4
49	The ameliorative activity of <i>Chrysobalanus orbicularis</i> in streptozotocin-induced type II diabetes mellitus rat model. <i>Heliyon</i> , 2021, 7, e06596.	3.2	4
50	Protective role of <i>Sterculia tragacantha</i> aqueous extract on pancreatic gene expression and oxidative stress parameters in streptozotocin-induced diabetic rats. <i>Journal of Complementary and Integrative Medicine</i> , 2021, .	0.9	4
51	<i>Sterculia tragacantha</i> Lindl Aqueous Leaf Extract Ameliorate Cardiomyopathy in Streptozotocin-induced Diabetic Rats via Urotensin II and FABP3 Expressions. <i>Journal of Oleo Science</i> , 2021, 70, 1805-1814.	1.4	3
52	Ameliorative effect of <i>Gongronema latifolium</i> leaf extract on alloxan-induced diabetic cardiomyopathy in Wistar rats model. <i>Comparative Clinical Pathology</i> , 2020, 29, 865-872.	0.7	2
53	Attenuation of diabetic nephropathy in alloxan-induced diabetic rats by <i>Solanum macrocarpon</i> Linn aqueous leaves extract. <i>Comparative Clinical Pathology</i> , 2021, 30, 173-179.	0.7	2
54	Inhibitory effect of aqueous extracts of raw and roasted <i>Sesamum indicum</i> L. seeds on key enzymes linked to type-2 diabetes (α -amylase and α -glucosidase) and Alzheimer's disease (acetylcholinesterase and) Tj ETQq000 rgBT /Overlock		

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55	<i>Phoenix dactylifera</i> Linn fruit based-diets palliate hyperglycemia in alloxan-induced diabetic rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2021, 32, .	1.3	2
56	Molecular interaction of bioactive compounds from <i>Senecio biafrae</i> leaf with α -amylase and α -glucosidase receptors. <i>Clinical Phytoscience</i> , 2022, 8, .	1.6	2
57	Ameliorating activity of polyphenolic-rich extracts of <i>Basella rubra</i> L. leaves on pancreatic β -cell dysfunction in streptozotocin-induced diabetic rats. <i>Journal of Complementary and Integrative Medicine</i> , 2022, 19, 335-344.	0.9	1
58	Antioxidant and Inhibitory Activities of Enzymes Linked to Type II Diabetes Mellitus: The Novel Role of <i>Chrysobalanus Orbicularis</i> Leaf Extract. <i>Iranian Journal of Toxicology</i> , 2020, 14, 179-186.	0.3	1
59	A comparative study of the physicochemical properties and antimicrobial qualities of Abuad moringa soap with conventional medicated soaps. <i>Potravinarstvo</i> , 2017, 11, 550-557.	0.6	1
60	Characterization and Biological Activities of Biosynthesized Silver Nanoparticles from Stems of <i>Blighia sapida</i> K. D. Koenig. <i>Journal of Bionanoscience</i> , 2018, 12, 71-75.	0.4	1
61	Ameliorative effect of flavonoid-rich extracts from <i>Congronema latifolium</i> against diabetic cardiomyopathy via serpin A3 and socs3-a in streptozocin treated rats. <i>Biomarkers</i> , 2022, 27, 169-177.	1.9	1
62	Effect of rana galamensis-based diet on the activities of some enzymes and histopathology of selected tissues of albino rats. <i>Potravinarstvo</i> , 2016, 10, .	0.6	0
63	Aqueous extract of <i>Solanum macrocarpon</i> Linn leaf abate diabetic cardiomyopathy by attenuating oxidative stress and inflammation in rats. <i>Journal of Food Biochemistry</i> , 2022, , e14172.	2.9	0
64	Hepatoprotective potential of flavonoid-rich extracts from <i>Congronema latifolium</i> benth leaf in type 2 diabetic rats via fetuin-A and tumor necrosis factor- α . <i>Molecular Biology Reports</i> , 0, , .	2.3	0