## Oluwafemi A Ojo

List of Publications by Year in descending order

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99 papers

1,421 citations

361045 20 h-index 433756 31 g-index

106 all docs

106 docs citations

106 times ranked 1459 citing authors

#	Article	IF	CITATIONS
1	Biology of glucose metabolization in cancer cells. Journal of Oncological Science, 2017, 3, 45-51.	0.1	184
2	Biological Properties, Bioactive Constituents, and Pharmacokinetics of Some Capsicum spp. and Capsaicinoids. International Journal of Molecular Sciences, 2020, 21, 5179.	1.8	110
3	Cooking Fuels in Lagos, Nigeria: Factors Associated with Household Choice of Kerosene or Liquefied Petroleum Gas (LPG). International Journal of Environmental Research and Public Health, 2018, 15, 641.	1.2	41
4	Green Synthesis of Silver Nanoparticles (AgNPs) Using <i>Talinum triangulare</i> (Jacq.) Willd. Leaf Extract and Monitoring Their Antimicrobial Activity. Journal of Bionanoscience, 2017, 11, 292-296.	0.4	36
5	HPLC-DAD fingerprinting analysis, antioxidant activities of Tithonia diversifolia (Hemsl.) A. Gray leaves and its inhibition of key enzymes linked to Alzheimer's disease. Toxicology Reports, 2018, 5, 585-592.	1.6	36
6	In vitro antioxidant activities and inhibitory effects of phenolic extract of <i>Senecio biafrae</i> (Oliv and Hiern) against key enzymes linked with type <scp>II</scp> diabetes mellitus and Alzheimer's disease. Food Science and Nutrition, 2018, 6, 1803-1810.	1.5	36
7	Protective effect of Irvingia gabonensis stem bark extract on cadmiuminduced nephrotoxicity in rats. Interdisciplinary Toxicology, 2014, 7, 208-214.	1.0	32
8	Inhibitory effect on key enzymes relevant to acute type-2 diabetes and antioxidative activity of ethanolic extract of Artocarpus heterophyllus stem bark. Journal of Acute Disease, 2016, 5, 423-429.	0.0	32
9	Anti-Hyperglycemic and Anti-Inflammatory Activities of Polyphenolic-Rich Extract of <i>Syzygium cumini </i> Linn Leaves in Alloxan-Induced Diabetic Rats. Journal of Evidence-based Integrative Medicine, 2018, 23, 2515690X1877063.	1.4	32
10	Deciphering the Interactions of Bioactive Compounds in Selected Traditional Medicinal Plants against Alzheimer's Diseases via Pharmacophore Modeling, Auto-QSAR, and Molecular Docking Approaches. Molecules, 2021, 26, 1996.	1.7	31
11	Anticancer Properties of Curcumin Against Colorectal Cancer: A Review. Frontiers in Oncology, 2022, 12, 881641.	1.3	30
12	Inhibitory Effects of Solvent-Partitioned Fractions of Two Nigerian Herbs (Spondias mombin Linn. and) Tj ETQq0 (	0 0 rgBT /C	Overlock 10 Ti
13	Antidiabetic activity of avocado seeds (Persea americana Mill.) in diabetic rats via activation of PI3K/AKT signaling pathway. Scientific Reports, 2022, 12, 2919.	1.6	29
14	Ethyl acetate leaf fraction of <i>Cnidoscolus aconitifolius </i> (Mill.) I. M. Johnst: antioxidant potential, inhibitory activities of key enzymes on carbohydrate metabolism, cholinergic, monoaminergic, purinergic, and chemical fingerprinting. International Journal of Food Properties, 2018, 21, 1697-1715.	1.3	25
15	Anticancer properties of medicinal plants and their bioactive compounds against breast cancer: a review on recent investigations. Environmental Science and Pollution Research, 2022, 29, 24411-24444.	2.7	25
16	Ameliorative Activity of Ethanolic Extract of Artocarpus heterophyllus Stem Bark on Alloxan-induced Diabetic Rats. Advanced Pharmaceutical Bulletin, 2018, 8, 141-147.	0.6	24
17	Significance of Antioxidants in the Treatment and Prevention of Neurodegenerative Diseases. The Journal of Phytopharmacology, 2019, 8, 75-83.	0.1	24
18	Cardioprotective and antioxidant influence of aqueous extracts from Sesamum indicum seeds on oxidative stress induced by cadmium in wistar rats. Pharmacognosy Magazine, 2016, 12, 170.	0.3	24

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19	A Computational Approach to Elucidate the Interactions of Chemicals From Artemisia annua Targeted Toward SARS-CoV-2 Main Protease Inhibition for COVID-19 Treatment. Frontiers in Medicine, 0, 9, .	1.2	23
20	Ocimum gratissimum Linn. Leaves reduce the key enzymes activities relevant to erectile dysfunction in isolated penile and testicular tissues of rats. BMC Complementary and Alternative Medicine, 2019, 19, 71.	3.7	21
21	Structure-Based Docking Studies of GLUT4 Towards Exploring Selected Phytochemicals from Solanum xanthocarpum as a Therapeutic Target for the Treatment of Cancer. Current Drug Discovery Technologies, 2019, 16, 406-416.	0.6	21
22	Antioxidative Properties of Blighia sapida K.D. Koenig Stem Bark Extract and Inhibitory Effects on Carbohydrate Hydrolyzing Enzymes Associated with Non-Insulin Dependent Diabetes Mellitus. Pharmacognosy Journal, 2018, 10, 376-383.	0.3	21
23	<i>Gongronema latifolium</i> Benth. leaf extract attenuates diabetesâ€induced neuropathy via inhibition of cognitive, oxidative stress and inflammatory response. Journal of the Science of Food and Agriculture, 2020, 100, 4504-4511.	1.7	19
24	Ameliorative potential of <i>Blighia sapida</i> K.D. Koenig bark against pancreatic $\hat{l}^2$ -cell dysfunction in alloxan-induced diabetic rats. Journal of Complementary and Integrative Medicine, 2017, 14, .	0.4	18
25	Chromatographic fingerprint analysis, antioxidant properties, and inhibition of cholinergic enzymes (acetylcholinesterase and butyrylcholinesterase) of phenolic extracts from <i>Irvingia gabonensis⟨ i⟩ (Aubry-Lecomte ex O'Rorke) Baill bark. Journal of Basic and Clinical Physiology and Pharmacology, 2018, 29, 217-224.</i>	0.7	18
26	<i>Spondias mombim</i> L. (Anacardiaceae): Chemical fingerprints, inhibitory activities, and molecular docking on key enzymes relevant to erectile dysfunction and Alzheimer's diseases. Journal of Food Biochemistry, 2019, 43, e12772.	1.2	18
27	Deciphering the interaction of puerarin with cancer macromolecules: An <i>in silico</i> investigation. Journal of Biomolecular Structure and Dynamics, 2022, 40, 848-859.	2.0	18
28	Combined effect of metformin and gallic acid on inflammation, antioxidant status, endoplasmic reticulum (ER) stress and glucose metabolism in fructose-fed streptozotocin-induced diabetic rats. Toxicology Reports, 2021, 8, 1419-1427.	1.6	15
29	Aqueous extract of Carica papaya Linn. roots potentially attenuates arsenic induced biochemical and genotoxic effects in Wistar rats. Journal of Traditional and Complementary Medicine, 2018, 8, 324-334.	1.5	14
30	<i>Cnidoscolus aconitifolius</i> (Mill.) I. M. Johnst leaf extract prevents oxidative hepatic injury and improves muscle glucose uptake ex vivo. Journal of Food Biochemistry, 2019, 43, e13065.	1.2	14
31	Deciphering the interactions of compounds from Allium sativum targeted towards identification of novel PTP 1B inhibitors in diabetes treatment: A computational approach. Informatics in Medicine Unlocked, 2021, 26, 100719.	1.9	14
32	Inhibitory effect of ethyl acetate fraction of <i>Solanum macrocarpon </i> L. leaves on cholinergic, monoaminergic, and purinergic enzyme activities. Journal of Food Biochemistry, 2018, 42, e12643.	1.2	13
33	Combination of donepezil and gallic acid improves antioxidant status and cholinesterases activity in aluminum chloride-induced neurotoxicity in Wistar rats. Metabolic Brain Disease, 2021, 36, 2511-2519.	1.4	13
34	Antinociceptive and antioxidant activities of the methanolic extract of Telfairia occidentalis Seeds. Ancient Science of Life: Journal of International Institute of Ayurveda, 2016, 36, 98.	0.3	13
35	Inhibitory effect of Bryophyllum pinnatum (Lam.) Oken leaf extract and their fractions on α-amylase, α-glucosidase and cholinesterase enzyme. Pharmacognosy Journal, 2018, 10, 497-506.	0.3	13
36	Antidiabetic Activity of Elephant Grass (Cenchrus Purpureus (Schumach.) Morrone) via Activation of PI3K/AkT Signaling Pathway, Oxidative Stress Inhibition, and Apoptosis in Wistar Rats. Frontiers in Pharmacology, 2022, 13, 845196.	1.6	13

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37	Modulatory Effect of Methanol Extract of Piper guineense in CCl4-Induced Hepatotoxicity in Male Rats. International Journal of Environmental Research and Public Health, 2017, 14, 955.	1.2	12
38	Greenâ€route mediated synthesis of silver nanoparticles (AgNPs) from <i>Syzygium cumini</i> (L.) Skeels polyphenolicâ€rich leaf extracts and investigation of their antimicrobial activity. IET Nanobiotechnology, 2018, 12, 305-310.	1.9	12
39	Exploring the potentials of some compounds from <i>Garcinia kola</i> seeds towards identification of novel PDEâ€5 inhibitors in erectile dysfunction therapy. Andrologia, 2021, 53, e14092.	1.0	12
40	Protective Influence of Ficus asperifolia Miq Leaf Extract on Carbon tetrachloride (CCL4)-Induced Testicular Toxicity in rat's Testes. Journal of Applied Pharmaceutical Science, 0, , 037-041.	0.7	12
41	Ameliorative potential of Aframomum melegueta extract in cadmium-induced hepatic damage and oxidative stress in male Wistar rats. Journal of Applied Pharmaceutical Science, 0, , 094-099.	0.7	12
42	Protective effect of methanolic and flavonoid-rich leaf extracts of Synsepalum dulcificum (Danielli) on lead-acetate-induced toxicity in Wistar albino rats. Journal of Applied Pharmaceutical Science, 2019, 9, 65-72.	0.7	12
43	Prophylactic Effects of Ethanolic Extract of Irvingia gabonensis Stem Bark against Cadmium-Induced Toxicity in Albino Rats. Advances in Pharmaceutics, 2014, 2014, 1-8.	0.5	11
44	In vitro antioxidant and enzyme inhibitory properties of the n-butanol fraction of Senna podocarpa (Guill. and Perr.) leaf. Journal of Basic and Clinical Physiology and Pharmacology, 2020, 31, .	0.7	11
45	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. Journal of Evidence-based Integrative Medicine, 2020, 25, 2515690X2091612.	1.4	11
46	Ameliorative potential of Sterculia tragacantha aqueous extract on renal gene expression and biochemical parameters in streptozotocin-induced diabetic rats. Journal of Pharmaceutical Investigation, 2021, 51, 103-113.	2.7	11
47	Antioxidant and the ameliorating effect of Allium cepa (Onion) fortified feed against potassium bromate induced oxidative damage in Wistar rats. Toxicology Reports, 2021, 8, 759-766.	1.6	11
48	Assessment of antioxidant activity of Ficus asperifolia Miq aqueous extract - In vitro studies. The Journal of Phytopharmacology, 2014, 3, 16-21.	0.1	11
49	Effect of <i>Zingiber officinale </i> on some biochemical parameters and cytogenic analysis in lead-induced toxicity in experimental rats. Toxicology Mechanisms and Methods, 2019, 29, 255-262.	1.3	10
50	Neuromodulatory effects of ethyl acetate fraction of Zingiber officinale Roscoe extract in rats with lead-induced oxidative stress. Journal of Integrative Medicine, 2019, 17, 125-131.	1.4	10
51	Gongronema latifolium leaf extract modulates hyperglycaemia, inhibits redox imbalance and inflammation in alloxan-induced diabetic nephropathy. Journal of Diabetes and Metabolic Disorders, 2020, 19, 469-481.	0.8	10
52	Prophylactic effect of aqueous extract of <i>Sesamum indicum </i> seeds on ethanol-induced toxicity in male rats. Nutrition Research and Practice, 2014, 8, 54.	0.7	9
53	Dichlorvos-induced oxidative stress in rat brain: Protective effects of the ethanolic extract of Alstonia boonei stem bark. Asian Journal of Pharmaceutics (discontinued), 2014, 8, 216.	0.4	8
54	Antioxidant activities of peptide hydrolysates obtained from the seeds of <i>Treculia africana </i> Decne (African breadfruit). Preparative Biochemistry and Biotechnology, 2020, 50, 504-510.	1.0	8

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55	Neuroprotective Mechanism of Ethanolic Extract of Irvingia gabonensis Stem Bark against Cadmium-induced Neurotoxicity in Rats. British Journal of Medicine and Medical Research, 2014, 4, 5793-5805.	0.2	8
56	Syzygium aromaticum (L.) Merr. & Derry mitigates iron-mediated oxidative brain injury via in vitro, ex vivo, and in silico approaches. Journal of Molecular Structure, 2022, 1268, 133675.	1.8	8
57	Ameliorative Activity of Ethanol Extract of <i>Artocarpus heterophyllus</i> Stem Bark on Pancreatic β-Cell Dysfunction in Alloxan-Induced Diabetic Rats. Journal of Evidence-Based Complementary & Alternative Medicine, 2017, 22, 538-543.	1.5	7
58	Comparative effects of combined use of alcohol with cannabis and tobacco on testicular function in rats. Toxicology Research, 2021, 10, 761-770.	0.9	7
59	Elucidating the interactions of compounds identified from Aframomum melegueta seeds as promising candidates for the management of diabetes mellitus: A computational approach. Informatics in Medicine Unlocked, 2021, 26, 100720.	1.9	7
60	Helianthus annuus Leaf Ameliorates Postprandial Hyperglycaemia by Inhibiting Carbohydrate Hydrolyzing Enzymes Associated with Type-2 Diabetes. Iranian Journal of Toxicology, 2016, 10, 17-22.	0.1	7
61	Computational prediction of potential drug-like compounds from Cannabis sativa leaf extracts targeted towards Alzheimer therapy. Journal of Molecular Liquids, 2022, 360, 119393.	2.3	7
62	Antihyperlipidemic Activities and Hematological Properties of Ethanol Extract of Blighia Sapida Koenig Bark in Alloxan-Induced Diabetic Rats. Serbian Journal of Experimental and Clinical Research, 2020, 21, 11-17.	0.2	6
63	<em>In vitro</em> anthelmintic and antioxidant activities of the leaf extracts of <em>Theobroma cacao</em> L AIMS Agriculture and Food, 2019, 4, 568-577.	0.8	6
64	HEMATOLOGICAL PROPERTIES OF IRVINGIA GABONENSIS IN MALE ADULT RATS. Journal of Pharmaceutical and Scientific Innovation, 2014, 3, 434-436.	0.1	6
65	Phytochemical properties and pharmacological activities of the genus Pennisetum: A review. Scientific African, 2022, 16, e01132.	0.7	6
66	Effect of i>Glyphaea brevis / i>twigs extract on cell viability, apoptosis induction and mitochondrial membrane potential in TM3 Leydig cells. Andrologia, 2019, 51, e13312.	1.0	5
67	Aqueous extract of Solanum macrocarpon Linn leaves abates hyperglycaemia and expression of glucose transporters gene in alloxan-induced diabetic rats. Journal of Endocrinological Investigation, 2021, 44, 265-276.	1.8	5
68	Protective impacts of gallic acid against cadmium-induced oxidative toxicity in the ovary of rats. Comparative Clinical Pathology, 2021, 30, 453-460.	0.3	5
69	Nrf2-Keap1 Activation, A Promising Strategy in the Prevention of Cancer. Free Radicals and Antioxidants, 2016, 7, 01-07.	0.2	5
70	Garcinia Kola Extracts Improve Biochemical Markers Associated with Erectile Function: Possible Applications in Clinical Treatment?. Acta Facultatis Medicae Naissensis, 2019, 36, 15-26.	0.1	4
71	Biochemical evaluation and molecular docking assessment of Cymbopogon citratus as a natural source of acetylcholine esterase (AChE)- targeting insecticides. Biochemistry and Biophysics Reports, 2021, 28, 101175.	0.7	4
72	Effect of Artocarpus altilis fruit based-diet on liver and kidney function indices on alloxan-induced diabetic rats. Mediterranean Journal of Nutrition and Metabolism, 2016, 9, 23-35.	0.2	3

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73	Novel ketogenic diet formulation improves sucroseâ€induced insulin resistance in canton strain <i>Drosophila melanogaster</i> . Journal of Food Biochemistry, 2021, 45, e13907.	1.2	3
74	Aqueous Extract of Carica Papaya Linn Roots Halts Sodium Arsenite-Induced Renal Inflammation through Inhibiting Adenosine Deaminase, 8-Hydroxy-2′-Deoxyguanosine, C-Reactive Protein and Inducible Nitric Oxide Synthase Activity. Serbian Journal of Experimental and Clinical Research, 2017, 18, 323-330.	0.2	3
75	Dennettia tripetala seeds inhibit ferrous sulphate-induced oxidative stress in rat tissues in vitro. Oxidants and Antioxidants in Medical Science, 2017, 6, 35.	0.2	3
76	Exposure to a 2.5 GHz Non-ionizing Electromagnetic Field Alters Hematological Profiles, Biochemical Parameters, and Induces Oxidative Stress in Male Albino Rats. Biomedical and Environmental Sciences, 2019, 32, 860-863.	0.2	3
77	Effects of vitamin K dietary supplementation in pulmonary dysfunction induced by 7,12â€dimethylbenz[a]anthracene in rat. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22584.	1.4	2
78	Ameliorative effect of Gongronema latifolium leaf extract on alloxan-induced diabetic cardiomyopathy in Wistar rats model. Comparative Clinical Pathology, 2020, 29, 865-872.	0.3	2
79	Administration of Cannabis causes alterations in monoamine oxidase B and serotonin receptor 2C gene expressions in Wistar rats. Acta Facultatis Medicae Naissensis, 2021, 38, 35-46.	0.1	2
80	Preclinical prediction of phytochemicals identified from cannabis as novel inhibitors of TEX 11, DHCR24, and CatSper 1 in fertility drug design. Informatics in Medicine Unlocked, 2021, 26, 100747.	1.9	2
81	Inhibitory Activity of <l>Tithonia diversifolia</l> (Hemsl.) A. Gray leaves on Some Pro-Oxidant Induced Oxidative Stress in Rat Brain. Toxicology International, 2016, 23, 254.	0.1	2
82	Efficacy of Saponins From Helianthus annuus Roots on Antihyperglycemic, Antiperoxidative and Antihyperlipidemic Effects in Alloxan-Induced Diabetic Rats. International Journal of Pharmacognosy and Phytochemical Research, $2017, 9, .$	0.2	2
83	Inhibitory effect of aqueous extracts of raw and roasted Sesamum indicum L. seeds on key enzymes linked to type-2 diabetes (α-amylase and α-glucosidase) and Alzheimer's disease (acetylcholinesterase and) Tj E	ETQ <b>q.</b> b1 0.	78 <b>4</b> 314 rgB⊤
84	Oral administration of marijuana produces alterations in serotonin 5-hydroxytryptamine receptor 3A gene () and electrolyte imbalances in brain of male Wistar rats. Molecular Biology Research Communications, 2021, 10, 5-11.	0.2	2
85	Ameliorating activity of polyphenolic-rich extracts of <i>Basella rubra</i> L. leaves on pancreatic $\hat{l}^2$ -cell dysfunction in streptozotocin-induced diabetic rats. Journal of Complementary and Integrative Medicine, 2022, 19, 335-344.	0.4	1
86	Contraceptive and biochemical effect of juice extract of Allium cepa, Allium sativum, and their combination in Canton S fruit flies. Journal of Food Biochemistry, 2021, 45, e13821.	1.2	1
87	Antioxidant and Inhibitory Activities of Enzymes Linked to Type II Diabetes Mellitus: The Novel Role of Chrysobalanus Orbicularis Leaf Extract. Iranian Journal of Toxicology, 2020, 14, 179-186.	0.1	1
88	EXTRACTS OF OCIMUM GRATISSIMUM LEAVES INHIBITS FE2+ AND SODIUM NITROPRUSSIDE INDUCED OXIDATIVE STRESS IN RAT LIVER. Journal of Pharmaceutical and Scientific Innovation, 2016, 5, 85-89.	0.1	1
89	Implications of Cannabis sativa on serotonin receptors 1B (HTR1B) and 7 (HTR7) genes in modulation of aggression and depression. Vegetos, 2022, 35, 19-25.	0.8	1
90	Characterization and Biological Activities of Biosynthesized Silver Nanoparticles from Stems of <i>Blighia sapida</i> K. D. Koenig. Journal of Bionanoscience, 2018, 12, 71-75.	0.4	1

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91	Puerarin: A Review on the Pharmacological Activity, Chemical Properties and Pharmacokinetics of Main Isoflavonoid. Natural Products Journal, 2022, 12, 17-26.	0.1	1
92	In vitro antioxidant and inhibitory activities of polyphenolic-rich extracts of Syzygium cumini (Linn) Skeels leaf on two important enzymes relevant to type II diabetes mellitus. Pakistan Journal of Pharmaceutical Sciences, 2020, 33, 523-529.	0.2	1
93	Antimicrobial Activity and Fatty Acids from Ipomea ochraceae. , 2017, 7, .		0
94	Effect of rana galamensis–based diet on the activities of some enzymes and histopathology of selected tissues of albino rats. Potravinarstvo, 2016, 10, .	0.5	0
95	Influence of Glyphaea brevis twig extract on nucleus, tight junctions and expression of inhibin- $\hat{l}^2$ , stem cell factor, and androgen binding protein in TM4 Sertoli cells. Asian Pacific Journal of Reproduction, 2019, 8, 157.	0.2	O
96	Potential Significance of Proteases. , 2019, , 233-256.		0
97	Modulatory effect of fermented Tetracarpidium conophorum (African walnut) supplemented diet on cadmium-induced toxicity in rats. Food Research, 2022, 6, 223-232.	0.3	0
98	Kolaviron, a Biflavonoid Compound: Pharmacological activity and Therapeutic Efficacy. Current Bioactive Compounds, 2021, 18, .	0.2	0
99	Aqueous extract of <i>Solanum macrocapon</i> Linn leaf abate diabetic cardiomyopathy by attenuating oxidative stress and inflammation in rats. Journal of Food Biochemistry, 2022, , e14172.	1.2	0