

# Neil A Koorbanally

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

149 papers	1,579 citations	23 h-index	32 g-index
161 ext. papers	1,945 ext. citations	3.1 avg, IF	5.16 L-index

#	Paper	IF	Citations
149	Recent advances (2015-2016) in anticancer hybrids. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 142, 179-212	6.8	131
148	Dacryodes edulis enhances antioxidant activities, suppresses DNA fragmentation in oxidative pancreatic and hepatic injuries; and inhibits carbohydrate digestive enzymes linked to type 2 diabetes. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 96, 37-47	7.5	64
147	Antioxidative activity and inhibition of key enzymes linked to type-2 diabetes ( $\alpha$ -glucosidase and $\alpha$ -amylase) by Khaya senegalensis. <i>Acta Pharmaceutica</i> , <b>2014</b> , 64, 311-24	3.2	51
146	Antibacterial and antioxidant activities of flavonoids from Lannea alata (Engl.) Engl. (Anacardiaceae). <i>Phytochemistry Letters</i> , <b>2013</b> , 6, 476-481	1.9	48
145	Antibacterial and anti-biofilm activity of flavonoids and triterpenes isolated from the extracts of Ficus sansibarica Warb. subsp. sansibarica (Moraceae) extracts. <i>Tropical Journal of Obstetrics and Gynaecology</i> , <b>2014</b> , 11, 124-31	0.3	36
144	Elemental composition and fatty acid profile of the edible fruits of Amatumgula (Carissa macrocarpa) and impact of soil quality on chemical characteristics. <i>Analytica Chimica Acta</i> , <b>2012</b> , 730, 33-41	6.6	33
143	Elaboration of neosamine rings in the biosynthesis of neomycin and butirosin. <i>ChemBioChem</i> , <b>2007</b> , 8, 283-8	3.8	32
142	A Review on the Synthesis and Anti-cancer Activity of 2-substituted Quinolines. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2015</b> , 15, 631-46	2.2	32
141	The effects of Ficus carica on the activity of enzymes related to metabolic syndrome. <i>Journal of Food and Drug Analysis</i> , <b>2018</b> , 26, 201-210	7	31
140	The 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide (MTT) assay is a rapid, cheap, screening test for the in vitro anti-tuberculous activity of chalcones. <i>Journal of Microbiological Methods</i> , <b>2014</b> , 104, 72-8	2.8	31
139	Boerhaavia diffusa inhibits key enzymes linked to type 2 diabetes in vitro and in silico; and modulates abdominal glucose absorption and muscle glucose uptake ex vivo. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 106, 1116-1125	7.5	30
138	Butanol fraction of Parkia biglobosa (Jacq.) G. Don leaves enhance pancreatic $\beta$ -cell functions, stimulates insulin secretion and ameliorates other type 2 diabetes-associated complications in rats. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 183, 103-111	5	29
137	Alkaloids and triterpenoids from Ammocharis coranica (Amaryllidaceae). <i>Phytochemistry</i> , <b>2000</b> , 54, 93-7	4	29
136	Vernonia Amygdalina Del. stimulated glucose uptake in brain tissues enhances antioxidative activities; and modulates functional chemistry and dysregulated metabolic pathways. <i>Metabolic Brain Disease</i> , <b>2019</b> , 34, 721-732	3.9	28
135	Anti-diabetic effect of Xylopi aethiopica (Dunal) A. Rich. (Annonaceae) fruit acetone fraction in a type 2 diabetes model of rats. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 180, 131-9	5	27
134	Inhibition of key enzymes linked to type 2 diabetes by compounds isolated from Aframomum melegueta fruit. <i>Pharmaceutical Biology</i> , <b>2017</b> , 55, 1010-1016	3.8	26
133	Vanillin and vanillic acid modulate antioxidant defense system via amelioration of metabolic complications linked to Fe-induced brain tissues damage. <i>Metabolic Brain Disease</i> , <b>2020</b> , 35, 727-738	3.9	26

132	Quorum sensing inhibitory potential and molecular docking studies of sesquiterpene lactones from <i>Vernonia blumeoides</i> . <i>Phytochemistry</i> , <b>2016</b> , 126, 23-33	4	26
131	Caffeine - rich infusion from <i>Cola nitida</i> (kola nut) inhibits major carbohydrate catabolic enzymes; abates redox imbalance; and modulates oxidative dysregulated metabolic pathways and metabolites in Fe-induced hepatic toxicity. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 96, 1065-1074	7.5	25
130	In vitro screening of traditional South African malaria remedies against <i>Trypanosoma brucei rhodesiense</i> , <i>Trypanosoma cruzi</i> , <i>Leishmania donovani</i> , and <i>Plasmodium falciparum</i> . <i>Planta Medica</i> , <b>2011</b> , 77, 1663-7	3.1	25
129	Novel 2-(1-(substitutedbenzyl)-1H-tetrazol-5-yl)-3-phenylacrylonitrile derivatives: synthesis, in vitro antitumor activity and computational studies. <i>Medicinal Chemistry Research</i> , <b>2016</b> , 25, 283-291	2.2	24
128	<i>Azadirachta indica</i> inhibits key enzyme linked to type 2 diabetes in vitro, abates oxidative hepatic injury and enhances muscle glucose uptake ex vivo. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 109, 734-743	7.5	24
127	Ethyl acetate fraction of <i>Aframomum melegueta</i> fruit ameliorates pancreatic $\beta$ -cell dysfunction and major diabetes-related parameters in a type 2 diabetes model of rats. <i>Journal of Ethnopharmacology</i> , <b>2015</b> , 175, 518-27	5	23
126	Antiprotozoal screening of 60 South African plants, and the identification of the antitrypanosomal germacranolides schkuhrin I and II. <i>Planta Medica</i> , <b>2013</b> , 79, 1380-4	3.1	23
125	Bioactive constituents of <i>Cedrelopsis microfoliata</i> . <i>Journal of Natural Products</i> , <b>2002</b> , 65, 1349-52	4.9	23
124	Small laccase-catalyzed synthesis of a caffeic acid dimer with high antioxidant capacity. <i>Process Biochemistry</i> , <b>2018</b> , 69, 99-105	4.8	21
123	Raffia palm ( <i>Raphia hookeri</i> G. Mann & H. Wendl) wine modulates glucose homeostasis by enhancing insulin secretion and inhibiting redox imbalance in a rat model of diabetes induced by high fructose diet and streptozotocin. <i>Journal of Ethnopharmacology</i> , <b>2019</b> , 237, 159-170	5	19
122	Multicomponent synthesis of pyridines via diamine functionalized mesoporous $ZrO_2$ domino intramolecular tandem Michael type addition. <i>RSC Advances</i> , <b>2015</b> , 5, 5627-5632	3.7	19
121	Antileishmanial activity of 12-methoxycarnosic acid from <i>Salvia repens</i> Burch. ex Benth. (Lamiaceae). <i>South African Journal of Botany</i> , <b>2014</b> , 90, 93-95	2.9	19
120	Chalcones from the seed of <i>Cedrelopsis grevei</i> (Ptaeroxylaceae). <i>Phytochemistry</i> , <b>2003</b> , 62, 1225-9	4	19
119	Chlorine dioxide-facilitated oxidation of the azo dye amaranth. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 11682-8	2.8	18
118	Coincident isolation of a novel homoisoflavonoid from <i>Resnova humifusa</i> and <i>Eucomis montana</i> (Hyacinthoideae: Hyacinthaceae). <i>Biochemical Systematics and Ecology</i> , <b>2006</b> , 34, 114-118	1.4	18
117	Coumarins from <i>Cedrelopsis grevei</i> (Ptaeroxylaceae). <i>Phytochemistry</i> , <b>2002</b> , 61, 919-22	4	18
116	Synthesis and anti-bacterial evaluation of novel thio- and oxazepino[7,6-b]quinolines. <i>Journal of the Iranian Chemical Society</i> , <b>2015</b> , 12, 2205-2212	2	17
115	Interactions of polyvinylpyrrolidone with imidazolium based ionic liquids: Spectroscopic and Density Functional Theory studies. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 213, 13-16	6	17

114	Kinetics and mechanism of the oxidation of amaranth with hypochlorite. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 7948-54	2.8	16
113	Toussaintines A-E: antimicrobial indolidinoids, a cinnamoylhydrobenzofuranoid and a cinnamoylcyclohexenoid from Toussaintia orientalis leaves. <i>Phytochemistry</i> , <b>2011</b> , 72, 1826-32	4	16
112	Ferulic Acid Modulates Dysfunctional Metabolic Pathways and Purinergic Activities, While Stalling Redox Imbalance and Cholinergic Activities in Oxidative Brain Injury. <i>Neurotoxicity Research</i> , <b>2020</b> , 37, 944-955	4.3	16
111	Multicomponent one-pot synthesis of highly-functionalized pyrrole-3-carbonitriles in aqueous medium and their computational study. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 1800-6	3.9	15
110	Antiulcer activity of the ethanolic extract and ethyl acetate fraction of the leaves of Markhamia tomentosa in rats. <i>Journal of Ethnopharmacology</i> , <b>2014</b> , 157, 1-6	5	15
109	QSAR models and scaffold-based analysis of non-nucleoside HIV RT inhibitors. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2015</b> , 148, 134-144	3.8	14
108	Bufadienolides from Drimia robusta and Urginea epigea (Hyacinthaceae). <i>Phytochemistry</i> , <b>2004</b> , 65, 3069-73	4	14
107	Synthesis, Characterization, Anticancer and Antibacterial Activity of Some Novel Pyrano[2,3-d]pyrimidinone Carbonitrile Derivatives. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2017</b> , 17, 719-725	2.2	13
106	Ring A-seco limonoids and flavonoids from the Kenyan Vepris uguenensis Engl. and their antioxidant activity. <i>Phytochemistry</i> , <b>2012</b> , 83, 136-43	4	12
105	Elemental composition and nutritional value of the edible fruits of Harpephyllum caffrum and impact of soil quality on their chemical characteristics. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2013</b> , 48, 539-47	2.2	12
104	Concentrated hot water-infusion of phragmanthera incana improves muscle glucose uptake, inhibits carbohydrate digesting enzymes and abates Fe-induced oxidative stress in hepatic tissues. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 108, 417-423	7.5	12
103	Transition metal-free synthesis of quinolino[2,3-f:3,4-b]pyrazolo[5,1-b]quinazolin-8(6H)-ones via cascade dehydrogenation and intramolecular N-arylation. <i>Journal of the Iranian Chemical Society</i> , <b>2016</b> , 13, 2239-2246	2	11
102	Synthesis, in vitro antimicrobial, antioxidant, and antidiabetic activities of thiazolidine-quinoxaline derivatives with amino acid side chains. <i>Medicinal Chemistry Research</i> , <b>2017</b> , 26, 2141-2151	2.2	10
101	Molecular diversity in cyclization of Ugi-products leading to the synthesis of 2,5-diketopiperazines: computational study. <i>Research on Chemical Intermediates</i> , <b>2017</b> , 43, 2119-2142	2.8	10
100	Antibacterial activity of an epoxidised prenylated cinnamaldehyde derivative from Vepris glomerata. <i>Phytochemistry Letters</i> , <b>2012</b> , 5, 438-442	1.9	10
99	Buddleja saligna Willd (Loganiaceae) inhibits angiotensin-converting enzyme activity in oxidative cardiopathy with concomitant modulation of nucleotide hydrolyzing enzymatic activities and dysregulated lipid metabolic pathways. <i>Journal of Ethnopharmacology</i> , <b>2020</b> , 248, 112358	5	10
98	Transition-metal free highly selective aerobic oxidation of hindered 2-alkylindoles. <i>Tetrahedron</i> , <b>2015</b> , 71, 5531-5537	2.4	9
97	Novel carbapenem chalcone derivatives: synthesis, cytotoxicity and molecular docking studies. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 4344-50	3.9	9

- 96 Copper-catalysed cross-coupling affected by the Smiles rearrangement: a new chapter on diversifying the synthesis of chiral fluorinated 1,4-benzoxazine derivatives. *RSC Advances*, **2015**, 5, 83576-83580
- 95 Umbelliferone stimulates glucose uptake; modulates gluconeogenic and nucleotide-hydrolyzing enzymes activities, and dysregulated lipid metabolic pathways in isolated psoas muscle. *Journal of Functional Foods*, **2020**, 67, 103847
- 94 Alkyl phenols, alkenyl cyclohexenones and other phytochemical constituents from *Lannea rivae* (chiiov) Sacleux (Anacardiaceae) and their bioactivity. *Medicinal Chemistry Research*, **2016**, 25, 690-703
- 93 Isolation of Isovanillin from Aromatic Roots of the Medicinal African Liane, *Mondia whitei*. *Journal of Herbs, Spices and Medicinal Plants*, **2000**, 7, 37-43
- 92 IN CHEMO-PREVENTATIVE ACTIVITY OF ARIL EXTRACT CONTAINING BILIRUBIN. *Tropical Journal of Obstetrics and Gynaecology*, **2017**, 14, 147-156
- 91 Synthesis and Bioactivity of Quinoline-3-carboxamide Derivatives. *Journal of Heterocyclic Chemistry*, **2018**, 55, 1002-1009
- 90 Structure and antioxidant activity of phenolic compounds isolated from the edible fruits and stem bark of *Harpephyllum caffrum*. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2014**, 49, 938-44
- 89 Synthesis, antibacterial activity and docking studies of substituted quinolone thiosemicarbazones. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2019**, 194, 1074-1081
- 88 Ligand Free Heterogeneous Sonogashira Cross-Coupling Reaction over an in Situ Organoiodine Capsulized Palladium Anchored to a Perovskite Catalyst. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 12697-12706
- 87 Anti-adhesion potential of non-polar compounds and extracts from *Ficus natalensis*. *Revista Brasileira De Farmacognosia*, **2017**, 27, 599-602
- 86 Sesquiterpene lactones from the aerial parts of *Vernonia blumeoides* growing in Nigeria. *Phytochemistry*, **2015**, 111, 163-8
- 85 Phytochemical constituents, antioxidant and antidiabetic activities of different extracts of the leaves, stem and root barks of *Alstonia boonei*: an in vitro and in silico study. *Botany Letters*, **2019**, 166, 444-456
- 84 3-(3-Meth-oxy-benzyl-idene)chroman-4-one. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1006
- 83 New library of pyrazole-imidazo[1,2-b]pyridine molecular conjugates: Synthesis, antibacterial activity and molecular docking studies. *Chemical Biology and Drug Design*, **2020**, 95, 162-173
- 82 The synthesis, structural elucidation and antimicrobial activity of 2- and 4-substituted-coumarinyl chalcones. *Magnetic Resonance in Chemistry*, **2016**, 54, 610-7
- 81 *Raffia* palm (*Raphia hookeri*) wine inhibits glucose diffusion; improves antioxidative activities; and modulates dysregulated pathways and metabolites in oxidative pancreatic injury. *Journal of Food Biochemistry*, **2019**, 43, e12749
- 80 Antibacterial evaluation and molecular docking studies of pyrazole-thiosemicarbazones and their pyrazole-thiazolidinone conjugates. *Molecular Diversity*, **2021**, 25, 191-204
- 79 Oxidative testicular injury: effect of L-leucine on redox, cholinergic and purinergic dysfunctions, and dysregulated metabolic pathways. *Amino Acids*, **2021**, 53, 359-380

78	Microwave synthesis, biological evaluation and docking studies of 2-substituted methyl 1-(4-fluorophenyl)-1H-benzimidazole-5-carboxylates. <i>Medicinal Chemistry Research</i> , <b>2017</b> , 26, 484-498	2.2	5
77	Synthesis of chloro, fluoro, and nitro derivatives of 7-amino-5-aryl-6-cyano-5H-pyrano pyrimidin-2,4-diones using organic catalysts and their antimicrobial and anticancer activities. <i>Journal of Heterocyclic Chemistry</i> , <b>2019</b> , 56, 3008-3016	1.9	5
76	The phytochemistry and gastroprotective activities of the leaves of <i>Ficus glumosa</i> . <i>South African Journal of Botany</i> , <b>2019</b> , 126, 190-195	2.9	5
75	Application of Decafluorobiphenyl (DFBP) Moiety as a Linker in Bioconjugation. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 225-233	6.3	5
74	Isoflavones from <i>Calpurnia Aurea</i> subsp. <i>aurea</i> and their anticancer activity. <i>Tropical Journal of Obstetrics and Gynaecology</i> , <b>2014</b> , 11, 33-7	0.3	5
73	(E)-3-(4-Cyclo-hexyl-3-fluoro-benzyl-idene)chroman-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1972		5
72	Synthesis and antibacterial activity of a series of 2-trifluoromethylbenzimidazole-thiazolidinone derivatives. <i>Journal of Heterocyclic Chemistry</i> , <b>2020</b> , 57, 299-307	1.9	5
71	Sulfoximine substituted quinazolines for pharmaceutical compositions US 20150005278 (A1): a patent evaluation. <i>Expert Opinion on Therapeutic Patents</i> , <b>2016</b> , 26, 861-9	6.8	5
70	Oleanolic acid as a potential antidiabetic component of ( <i>Dunal</i> ) A. Rich. ( <i>Annonaceae</i> ) fruit: bioassay guided isolation and molecular docking studies. <i>Natural Product Research</i> , <b>2021</b> , 35, 788-791	2.3	5
69	Investigation of conventional and non-conventional hydrogen bonds: a comparison of fluorine-substituted and non-fluorine substituted compounds. <i>Monatshefte für Chemie</i> , <b>2017</b> , 148, 2061-2068	1.4	4
68	Investigations into the flexibility of the 3D structure and rigid backbone of quinoline by fluorine addition to enhance its blue emission. <i>CrystEngComm</i> , <b>2018</b> , 20, 2316-2323	3.3	4
67	Structure elucidation of a series of fluoro-2-styrylchromones and methoxy-2-styrylchromones using 1D and 2D NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , <b>2014</b> , 52, 521-9	2.1	4
66	<i>Acalypha Wilkesiana</i> Java White: Identification of Some Bioactive Compounds by GC-MS and Their Effects on Key Enzymes Linked to Type 2 Diabetes. <i>Acta Pharmaceutica</i> , <b>2018</b> , 68, 425-439	3.2	4
65	Kolaviron modulates dysregulated metabolism in oxidative pancreatic injury and inhibits intestinal glucose absorption with concomitant stimulation of muscle glucose uptake. <i>Archives of Physiology and Biochemistry</i> , <b>2020</b> , 1-11	2.2	4
64	In vitro anti-oxidative activities and GC-MS analysis of various solvent extracts of <i>Cassia singueana</i> parts. <i>Acta Poloniae Pharmaceutica</i> , <b>2013</b> , 70, 709-19	1.3	4
63	New Route for the Synthesis of Thiazolidine 2,4dione Azepine Derivatives. <i>Journal of Heterocyclic Chemistry</i> , <b>2017</b> , 54, 1071-1076	1.9	3
62	<i>Crassocephalum rubens</i> , a leafy vegetable, suppresses oxidative pancreatic and hepatic injury and inhibits key enzymes linked to type 2 diabetes: An ex vivo and in silico study. <i>Journal of Food Biochemistry</i> , <b>2019</b> , 43, e12930	3.3	3
61	Stereo-selective synthesis, structural and antibacterial studies of novel glycosylated $\alpha$ , $\beta$ -amino acid analogues. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 3174-3193	2.2	3

60	Glucosidase and Amylase Inhibitory Compounds from three African Medicinal Plants: An Enzyme Inhibition Kinetics Approach. <i>Natural Product Communications</i> , <b>2017</b> , 12, 1934578X1701200	0.9	3
59	Synthesis and structure elucidation of a series of pyranochromene chalcones and flavanones using 1D and 2D NMR spectroscopy and X-ray crystallography. <i>Magnetic Resonance in Chemistry</i> , <b>2014</b> , 52, 279-288	2.1	3
58	Synthesis and Evaluation of Novel Fluorinated 2-Styrylchromones as Antibacterial Agents. <i>Journal of Chemistry</i> , <b>2013</b> , 2013, 1-13	2.3	3
57	3-(3,4-Dichloro-benzyl-idene)chroman-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o3062		3
56	Curcumin modulates multiple cell death, matrix metalloproteinase activation and cardiac protein release in susceptible and resistant Plasmodium berghei-infected mice. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 146, 112454	7.5	3
55	inhibits key carbohydrate digesting enzyme and intestinal glucose absorption and modulates glucose metabolism in diabetic rats. <i>Archives of Physiology and Biochemistry</i> , <b>2020</b> , 1-11	2.2	3
54	Ferric-Induced Pancreatic Injury Involves Exacerbation of Cholinergic and Proteolytic Activities, and Dysregulation of Metabolic Pathways: Protective Effect of Caffeic Acid. <i>Biological Trace Element Research</i> , <b>2020</b> , 196, 517-527	4.5	3
53	Studies on the mitochondrial, immunological and inflammatory effects of solvent fractions of Diospyros mespiliformis Hochst in Plasmodium berghei-infected mice. <i>Scientific Reports</i> , <b>2021</b> , 11, 6941	4.9	3
52	Cytotoxicity and Antibacterial Evaluation of O-Alkylated/Acylated Quinazolin-4-one Schiff Bases. <i>Chemistry and Biodiversity</i> , <b>2021</b> , 18, e2100096	2.5	3
51	Bioactive compounds of African star apple (Chrysophyllum albidum G. Don) and its modulatory effect on metabolic activities linked to type 2 diabetes in isolated rat psoas muscle. <i>Journal of Food Biochemistry</i> , <b>2021</b> , 45, e13576	3.3	3
50	Phaseolus lunatus (lima beans) abates Fe <sup>2+</sup> -induced hepatic redox imbalance; inhibits intestinal glucose absorption and major carbohydrate catabolic enzymes; and modulates muscle glucose uptake. <i>Journal of Food Biochemistry</i> , <b>2018</b> , 42, e12655	3.3	3
49	In vitro antioxidant activities of leaf and root extracts of Albizia antunesiana harms. <i>Acta Poloniae Pharmaceutica</i> , <b>2013</b> , 70, 1035-43	1.3	3
48	Cardanols, long chain cyclohexenones and cyclohexenols from Lannea schimperi (Anacardiaceae). <i>Natural Product Communications</i> , <b>2015</b> , 10, 103-6	0.9	3
47	PHYTOCHEMISTRY, ANTIOXIDATIVE ACTIVITY AND INHIBITION OF KEY ENZYMES LINKED TO TYPE 2 DIABETES BY VARIOUS PARTS OF AFRAMOMUM MELEGUETA IN VITRO. <i>Acta Poloniae Pharmaceutica</i> , <b>2016</b> , 73, 403-17	1.3	3
46	Synthesis and in vitro antiplatelet aggregation screening of novel fluorinated diethyl-2-(benzylthio)-2,3-dihydro-1H-imidazole-4,5-dicarboxylate derivatives. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 2075-2084	2.2	2
45	Phytochemical properties of black tea () and rooibos tea (); and their modulatory effects on key hyperglycaemic processes and oxidative stress. <i>Journal of Food Science and Technology</i> , <b>2020</b> , 57, 4345-4354	3.3	2
44	Sesquiterpene lactones from and their quorum sensing inhibitory activity. <i>Natural Product Research</i> , <b>2021</b> , 35, 4517-4523	2.3	2
43	Synthesis and Characterization of Imidazolium Salts Bearing Fluorinated Anions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, n/a-n/a	1.3	2

42	Synthesis and Antifungal Studies of (2E)-N-Benzyl-N <sup>?</sup> -phenylbut-2-enediamide and (2E)-N,N <sup>?</sup> -Dibenzylbut-2-enediamide Analogues. <i>Journal of Chemistry</i> , <b>2013</b> , 2013, 1-7	2.3	2
41	1-(5-Hydroxy-2,2,8,8-tetra-methyl-2H,8H-pyrano[2,3-f]chromen-6-yl)ethanone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o3048		2
40	Laccase-mediated modification of isorhamnetin improves antioxidant and antibacterial activities. <i>Process Biochemistry</i> , <b>2022</b> , 112, 53-61	4.8	2
39	Cola Nitida (Kola Nuts) Attenuates Hepatic Injury in Type 2 Diabetes by Improving Antioxidant and Cholinergic Dysfunctions and Dysregulated Lipid Metabolism. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , <b>2021</b> , 21, 688-699	2.2	2
38	Synthesis and structure elucidation of a series of chloroquinoline-2-chalcones by the Doebner-Miller reaction. <i>Magnetic Resonance in Chemistry</i> , <b>2016</b> , 54, 677-83	2.1	2
37	A novel and unusual tetramethoxylated crinine alkaloid from <i>Ammocharis coranica</i> (Amaryllidaceae). <i>South African Journal of Botany</i> , <b>2021</b> , 137, 451-454	2.9	2
36	Perfluorophenyl Derivatives as Unsymmetrical Linkers for Solid Phase Conjugation. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 589	5	2
35	Enzymatic dimerization of luteolin enhances antioxidant and antimicrobial activities. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2021</b> , 35, 102105	4.2	2
34	Antimalarial and Erythrocyte Membrane Stability Properties of (Engle Van Tiegh) Growing on Cocoa in -Infected Mice. <i>Infection and Drug Resistance</i> , <b>2021</b> , 14, 3795-3808	4.2	2
33	GC-MS metabolomics reveals dysregulated lipid metabolic pathways and metabolites in diabetic testicular toxicity: Therapeutic potentials of raffia palm ( <i>Raphia hookeri</i> G. Mann & H. Wendl) wine. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 279, 114390	5	2
32	Biological evaluation of phytoconstituents from <i>Markhamia tomentosa</i> ethanolic leaf extract. <i>South African Journal of Botany</i> , <b>2018</b> , 115, 31-36	2.9	1
31	Antioxidant properties, computational studies and corrosion inhibition potential of 3-hydroxy-1-(2-hydroxyphenyl)-5-(phenyl)-2,4-pentadien-1-one analogues. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 223, 819-827	6	1
30	Cardanols, Long Chain Cyclohexenones and Cyclohexenols from <i>Lannea schimperii</i> (Anacardiaceae). <i>Natural Product Communications</i> , <b>2015</b> , 10, 1934578X1501000	0.9	1
29	[1,4-Phenyl-enebis(methyl-ene)]bis-(tri-phenyl-phospho-nium) bis-(tetra-fluoro-borate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o3391		1
28	2-Acetyl-phenyl (2E)-3-(4-fluoro-phen-yl)acrylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o3049		1
27	1-(5-Hydroxy-2,2,8,8-tetra-methyl-2H,8H-pyrano[2,3-f]chromen-6-yl)-3-(4-meth-oxy-phen-yl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, o484		1
26	3-(3-Nitro-benz-yl)-4H-chromen-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, o364		1
25	and computational studies of the antioxidant and anti-diabetic properties of. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-15	3.6	1

24	Hyperglycemia alters lipid metabolism and ultrastructural morphology of cerebellum in brains of diabetic rats: Therapeutic potential of raffia palm ( <i>Raphia hookeri</i> G. Mann & H. Wendl) wine. <i>Neurochemistry International</i> , <b>2020</b> , 140, 104849	4.4	1
23	Catechol protects against iron-mediated oxidative brain injury by restoring antioxidative metabolic pathways; and modulation of purinergic and cholinergic enzymes activities. <i>Journal of Pharmacy and Pharmacology</i> , <b>2020</b> , 72, 1787-1797	4.8	1
22	L-leucine stimulation of glucose uptake and utilization involves modulation of glucose - lipid metabolic switch and improved bioenergetic homeostasis in isolated rat psoas muscle ex vivo. <i>Amino Acids</i> , <b>2021</b> , 53, 1135-1151	3.5	1
21	Synthesis, molecular docking and anticancer activity of 5,5P(phenylmethylene)bis(6-amino-2-thiouracil) derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1-9	1	1
20	Flowers of modulates redox homeostasis and suppresses DNA fragmentation in Fe - induced oxidative hepatic and pancreatic injuries; and inhibits carbohydrate catabolic enzymes linked to type 2 diabetes. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2019</b> , 18, 513-524	2.5	1
19	Phytochemical constituents of sterol-rich fraction from <i>Allium cepa</i> L. and its cytotoxic effect on human embryonic kidney (HEK293) cells. <i>Journal of Food Biochemistry</i> , <b>2021</b> , 45, e13586	3.3	1
18	Ferulic acid promotes muscle glucose uptake and modulate dysregulated redox balance and metabolic pathways in ferric-induced pancreatic oxidative injury. <i>Journal of Food Biochemistry</i> , <b>2021</b> , e13641	3.3	1
17	Highly regio- and diastereoselective synthesis of oxo-1,2,3,4-tetrahydropyrazino[1,2-a]indoles, based on a post-Ugi condensation: joint experimental and computational study. <i>Journal of the Iranian Chemical Society</i> , <b>2019</b> , 16, 1517-1526	2	0
16	Synthesis and structure elucidation using 2D NMR and thermal coefficient investigation on amino acid tethered quinoxalines. <i>Magnetic Resonance in Chemistry</i> , <b>2016</b> , 54, 921-929	2.1	0
15	Sequential extracts of red honeybush ( <i>Cyclopia genistoides</i> ) tea: Chemical characterization, antioxidant potentials, and anti-hyperglycemic activities. <i>Journal of Food Biochemistry</i> , <b>2020</b> , 44, e13478	3.3	0
14	Protects Against Oxidative Cardiotoxicity by Suppressing Lipid Dysmetabolism and Modulating Cardiometabolic Activities Linked to Cardiac Dysfunctions. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 610835	5.6	0
13	<i>Cola nitida</i> infusion modulates cardiometabolic activities linked to cardiomyopathy in diabetic rats. <i>Food and Chemical Toxicology</i> , <b>2021</b> , 154, 112335	4.7	0
12	Bio evaluation of different crude extracts of <i>Chrysanthimoides monilifera</i> subsp. rotundata. <i>Turkish Journal of Biochemistry</i> , <b>2014</b> , 39, 87-92	0.3	
11	3-Bromo-chroman-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, o473		
10	6-Hydroxy-2H-1,3-benzodioxole-5-carbaldehyde. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o2681		
9	2,4-Dibromo-1,3-dimethoxy-5-methyl-benzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o2062		
8	3-(4-Nitro-benz-yl)-4H-chromen-4-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, o513		
7	Casein micelles from bovine Milk exerts Neuroprotection by stalling metabolic complications linked to oxidative brain injury. <i>Metabolic Brain Disease</i> , <b>2020</b> , 35, 1417-1428	3.9	

6	Determination of radical scavenging activities of some pyrimidine derivatives. <i>Tropical Journal of Pharmaceutical Research</i> , <b>2020</b> , 19, 45-49	0.8
5	Butanol fraction of De Wild. leaves ameliorate oxidative stress and modulate key hypoglycaemic processes in diabetic rats. <i>Archives of Physiology and Biochemistry</i> , <b>2021</b> , 1-14	2.2
4	Synthesis, Structural Elucidation and Anti-Bacterial Evaluation of Fluorinated and Non-Fluorinated Schiff Bases of Quinazoline-4(3H)-One. <i>Polycyclic Aromatic Compounds</i> , 1-13	1.3
3	Syntheses and Antibiotic Evaluation of 2-[[[(2R,4R)-4-Carboxy-2-hydroxypyrrolidin-1-yl]carbonyl}benzene-1,5-dicarboxylic Acids and 2-Carbamoylbenzene-1,5-dicarboxylic Acid Analogues. <i>International Journal of Medicinal Chemistry</i> , <b>2016</b> , 2016, 9346585	1.7
2	Gastroprotective Effect and Chemical Constituents of <i>Flabellaria paniculata</i> (Malpighiaceae). <i>Natural Product Communications</i> , <b>2019</b> , 14, 1934578X1986034	0.9
1	Crystal structure of (S)-tert-butyl-(1-hydroxypropan-2-yl)carbamate, C <sub>8</sub> H <sub>17</sub> NO <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2018</b> , 233, 49-50	0.2