Neil A Koorbanally

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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. *European Journal of Medicinal Chemistry*, **2017**, 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. *Biomedicine and Pharmacotherapy*, **2017**, 96, 37-47	7.5	64
147	Antioxidative activity and inhibition of key enzymes linked to type-2 diabetes (α-glucosidase and α-amylase) by Khaya senegalensis. *Acta Pharmaceutica*, **2014**, 64, 311-24	3.2	51
146	Antibacterial and antioxidant activities of flavonoids from Lannea alata (Engl.) Engl. (Anacardiaceae). *Phytochemistry Letters*, **2013**, 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. *Tropical Journal of Obstetrics and Gynaecology*, **2014**, 11, 124-31	0.3	36
144	Elemental composition and fatty acid profile of the edible fruits of Amatungula (Carissa macrocarpa) and impact of soil quality on chemical characteristics. *Analytica Chimica Acta*, **2012**, 730, 33-41	6.6	33
143	Elaboration of neosamine rings in the biosynthesis of neomycin and butirosin. *ChemBioChem*, **2007**, 8, 283-8	3.8	32
142	A Review on the Synthesis and Anti-cancer Activity of 2-substituted Quinolines. *Anti-Cancer Agents in Medicinal Chemistry*, **2015**, 15, 631-46	2.2	32
141	The effects of Ficus carica on the activity of enzymes related to metabolic syndrome. *Journal of Food and Drug Analysis*, **2018**, 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. *Journal of Microbiological Methods*, **2014**, 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. *Biomedicine and Pharmacotherapy*, **2018**, 106, 1116-1125	7.5	30
138	Butanol fraction of Parkia biglobosa (Jacq.) G. Don leaves enhance pancreatic β-cell functions, stimulates insulin secretion and ameliorates other type 2 diabetes-associated complications in rats. *Journal of Ethnopharmacology*, **2016**, 183, 103-111	5	29
137	Alkaloids and triterpenoids from Ammocharis coranica (Amaryllidaceae). *Phytochemistry*, **2000**, 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. *Metabolic Brain Disease*, **2019**, 34, 721-732	3.9	28
135	Anti-diabetic effect of Xylopia aethiopica (Dunal) A. Rich. (Annonaceae) fruit acetone fraction in a type 2 diabetes model of rats. *Journal of Ethnopharmacology*, **2016**, 180, 131-9	5	27
134	Inhibition of key enzymes linked to type 2 diabetes by compounds isolated from Aframomum melegueta fruit. *Pharmaceutical Biology*, **2017**, 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. *Metabolic Brain Disease*, **2020**, 35, 727-738	3.9	26

132	Quorum sensing inhibitory potential and molecular docking studies of sesquiterpene lactones from Vernonia blumeoides. *Phytochemistry*, **2016**, 126, 23-33	4	26
131	Caffeine - rich infusion from Cola nitida (kola nut) inhibits major carbohydrate catabolic enzymes; abates redox imbalance; and modulates oxidative dysregulated metabolic pathways and metabolites in Fe-induced hepatic toxicity. *Biomedicine and Pharmacotherapy*, **2017**, 96, 1065-1074	7.5	25
130	In vitro screening of traditional South African malaria remedies against Trypanosoma brucei rhodesiense, Trypanosoma cruzi, Leishmania donovani, and Plasmodium falciparum. *Planta Medica*, **2011**, 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. *Medicinal Chemistry Research*, **2016**, 25, 283-291	2.2	24
128	Azadirachta indica inhibits key enzyme linked to type 2 diabetes in vitro, abates oxidative hepatic injury and enhances muscle glucose uptake ex vivo. *Biomedicine and Pharmacotherapy*, **2019**, 109, 734-743	7.5	24
127	Ethyl acetate fraction of Aframomum melegueta fruit ameliorates pancreatic Ecell dysfunction and major diabetes-related parameters in a type 2 diabetes model of rats. *Journal of Ethnopharmacology*, **2015**, 175, 518-27	5	23
126	Antiprotozoal screening of 60 South African plants, and the identification of the antitrypanosomal germacranolides schkuhrin I and II. *Planta Medica*, **2013**, 79, 1380-4	3.1	23
125	Bioactive constituents of Cedrelopsis microfoliata. *Journal of Natural Products*, **2002**, 65, 1349-52	4.9	23
124	Small laccase-catalyzed synthesis of a caffeic acid dimer with high antioxidant capacity. *Process Biochemistry*, **2018**, 69, 99-105	4.8	21
123	Raffia palm (Raphia hookeri 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. *Journal of Ethnopharmacology*, **2019**, 237, 159-170	5	19
122	Multicomponent synthesis of pyridines via diamine functionalized mesoporous ZrO2 domino intramolecular tandem Michael type addition. *RSC Advances*, **2015**, 5, 5627-5632	3.7	19
121	Antileishmanial activity of 12-methoxycarnosic acid from Salvia repens Burch. ex Benth. (Lamiaceae). *South African Journal of Botany*, **2014**, 90, 93-95	2.9	19
120	Chalcones from the seed of Cedrelopsis grevei (Ptaeroxylaceae). *Phytochemistry*, **2003**, 62, 1225-9	4	19
119	Chlorine dioxide-facilitated oxidation of the azo dye amaranth. *Journal of Physical Chemistry A*, **2011**, 115, 11682-8	2.8	18
118	Coincident isolation of a novel homoisoflavonoid from Resnova humifusa and Eucomis montana (Hyacinthoideae: Hyacinthaceae). *Biochemical Systematics and Ecology*, **2006**, 34, 114-118	1.4	18
117	Coumarins from Cedrelopsis grevei (Ptaeroxylaceae). *Phytochemistry*, **2002**, 61, 919-22	4	18
116	Synthesis and anti-bacterial evaluation of novel thio- and oxazepino[7,6-b]quinolines. *Journal of the Iranian Chemical Society*, **2015**, 12, 2205-2212	2	17
115	Interactions of polyvinylpyrrolidone with imidazolium based ionic liquids: Spectroscopic and Density Functional Theory studies. *Journal of Molecular Liquids*, **2016**, 213, 13-16	6	17

114	Kinetics and mechanism of the oxidation of amaranth with hypochlorite. *Journal of Physical Chemistry A*, **2011**, 115, 7948-54	2.8	16
113	Toussaintines A-E: antimicrobial indolidinoids, a cinnamoylhydrobenzofuranoid and a cinnamoylcyclohexenoid from Toussaintia orientalis leaves. *Phytochemistry*, **2011**, 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. *Neurotoxicity Research*, **2020**, 37, 944-955	4.3	16
111	Multicomponent one-pot synthesis of highly-functionalized pyrrole-3-carbonitriles in aqueous medium and their computational study. *Organic and Biomolecular Chemistry*, **2015**, 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. *Journal of Ethnopharmacology*, **2014**, 157, 1-6	5	15
109	QSAR models and scaffold-based analysis of non-nucleoside HIV RT inhibitors. *Chemometrics and Intelligent Laboratory Systems*, **2015**, 148, 134-144	3.8	14
108	Bufadienolides from Drimia robusta and Urginea epigea (Hyacinthaceae). *Phytochemistry*, **2004**, 65, 3069-73	4	14
107	Synthesis, Characterization, Anticancer and Antibacterial Activity of Some Novel Pyrano[2,3-d]pyrimidinone Carbonitrile Derivatives. *Anti-Cancer Agents in Medicinal Chemistry*, **2017** , 17, 719-725	2.2	13
106	Ring A-seco limonoids and flavonoids from the Kenyan Vepris uguenensis Engl. and their antioxidant activity. *Phytochemistry*, **2012**, 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. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2013**, 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. *Biomedicine and Pharmacotherapy*, **2018**, 108, 417-423	7.5	12
103	Transition metal-free synthesis of quinolino[2?,3?:3,4]pyrazolo[5,1-b]quinazolin-8(6H)-ones via cascade dehydrogenation and intramolecular N-arylation. *Journal of the Iranian Chemical Society*, **2016**, 13, 2239-2246	2	11
102	Synthesis, in vitro antimicrobial, antioxidant, and antidiabetic activities of thiazolidine‐quinoxaline derivatives with amino acid side chains. *Medicinal Chemistry Research*, **2017**, 26, 2141-2151	2.2	10
101	Molecular diversity in cyclization of Ugi-products leading to the synthesis of 2,5-diketopiperazines: computational study. *Research on Chemical Intermediates*, **2017**, 43, 2119-2142	2.8	10
100	Antibacterial activity of an epoxidised prenylated cinnamaldehdye derivative from Vepris glomerata. *Phytochemistry Letters*, **2012**, 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. *Journal of Ethnopharmacology*, **2020**, 248, 112358	5	10
98	Transition-metal free highly selective aerobic oxidation of hindered 2-alkylindoles. *Tetrahedron*, **2015**, 71, 5531-5537	2.4	9
97	Novel carbapenem chalcone derivatives: synthesis, cytotoxicity and molecular docking studies. *Organic and Biomolecular Chemistry*, **2015**, 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	3.7	9
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	5.1	9
94	Alkyl phenols, alkenyl cyclohexenones and other phytochemical constituents from Lannea rivae (chiov) Sacleux (Anacardiaceae) and their bioactivity. *Medicinal Chemistry Research*, **2016**, 25, 690-703	2.2	9
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	0.9	9
92	IN CHEMO-PREVENTATIVE ACTIVITY OF ARIL EXTRACT CONTAINING BILIRUBIN. *Tropical Journal of Obstetrics and Gynaecology*, **2017**, 14, 147-156	0.3	8
91	Synthesis and Bioactivity of Quinoline-3-carboxamide Derivatives. *Journal of Heterocyclic Chemistry*, **2018**, 55, 1002-1009	1.9	8
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	2.2	8
89	Synthesis, antibacterial activity and docking studies of substituted quinolone thiosemicarbazones. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2019**, 194, 1074-1081	1	7
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	8.3	7
87	Anti-adhesion potential of non-polar compounds and extracts from Ficus natalensis. *Revista Brasileira De Farmacognosia*, **2017**, 27, 599-602	2	6
86	Sesquiterpene lactones from the aerial parts of Vernonia blumeoides growing in Nigeria. *Phytochemistry*, **2015**, 111, 163-8	4	6
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	1.1	6
84	3-(3-Meth-oxy-benzyl-idene)chroman-4-one. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1006		6
83	New library of pyrazole-imidazo[1,2-]pyridine molecular conjugates: Synthesis, antibacterial activity and molecular docking studies. *Chemical Biology and Drug Design*, **2020**, 95, 162-173	2.9	6
82	The synthesis, structural elucidation and antimicrobial activity of 2- and 4-substituted-coumarinyl chalcones. *Magnetic Resonance in Chemistry*, **2016**, 54, 610-7	2.1	6
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	3.3	6
80	Antibacterial evaluation and molecular docking studies of pyrazole-thiosemicarbazones and their pyrazole-thiazolidinone conjugates. *Molecular Diversity*, **2021**, 25, 191-204	3.1	6
79	Oxidative testicular injury: effect of L-leucine on redox, cholinergic and purinergic dysfunctions, and dysregulated metabolic pathways. *Amino Acids*, **2021**, 53, 359-380	3.5	6

78	Microwave synthesis, biological evaluation and docking studies of 2-substituted methyl 1-(4-fluorophenyl)-1H-benzimidazole-5-carboxylates. *Medicinal Chemistry Research*, **2017**, 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. *Journal of Heterocyclic Chemistry*, **2019**, 56, 3008-3016	1.9	5
76	The phytochemistry and gastroprotective activities of the leaves of Ficus glumosa. *South African Journal of Botany*, **2019**, 126, 190-195	2.9	5
75	Application of Decafluorobiphenyl (DFBP) Moiety as a Linker in Bioconjugation. *Bioconjugate Chemistry*, **2018**, 29, 225-233	6.3	5
74	Isoflavones from Calpurnia Aurea subsp. aurea and their anticancer activity. *Tropical Journal of Obstetrics and Gynaecology*, **2014**, 11, 33-7	0.3	5
73	(E)-3-(4-Cyclo-hexyl-3-fluoro-benzyl-idene)chroman-4-one. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1972		5
72	Synthesis and antibacterial activity of a series of 2-trifluoromethylbenzimidazole-thiazolidinone derivatives. *Journal of Heterocyclic Chemistry*, **2020**, 57, 299-307	1.9	5
71	Sulfoximine substituted quinazolines for pharmaceutical compositions US 20150005278 (A1): a patent evaluation. *Expert Opinion on Therapeutic Patents*, **2016**, 26, 861-9	6.8	5
70	Oleanolic acid as a potential antidiabetic component of (Dunal) A. Rich. (Annonaceae) fruit: bioassay guided isolation and molecular docking studies. *Natural Product Research*, **2021**, 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. *Monatshefte F□ Chemie*, **2017**, 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. *CrystEngComm*, **2018**, 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. *Magnetic Resonance in Chemistry*, **2014**, 52, 521-9	2.1	4
66	Acalypha Wilkesiana ?Java White?: Identification of Some Bioactive Compounds by Gc-Ms and Their Effects on Key Enzymes Linked to Type 2 Diabete. *Acta Pharmaceutica*, **2018**, 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. *Archives of Physiology and Biochemistry*, **2020**, 1-11	2.2	4
64	In vitro anti-oxidative activities and GC-MS analysis of various solvent extracts of Cassia singueana parts. *Acta Poloniae Pharmaceutica*, **2013**, 70, 709-19	1.3	4
63	New Route for the Synthesis of Thiazolidine 2,4dione Azepine Derivatives. *Journal of Heterocyclic Chemistry*, **2017**, 54, 1071-1076	1.9	3
62	Crassocephalum rubens, 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. *Journal of Food Biochemistry*, **2019**, 43, e12930	3.3	3
61	Stereo-selective synthesis, structural and antibacterial studies of novel glycosylated □,3-amino acid analogues. *Medicinal Chemistry Research*, **2015**, 24, 3174-3193	2.2	3

60	Glucosidase and Amylase Inhibitory Compounds from three African Medicinal Plants: An Enzyme Inhibition Kinetics Approach. *Natural Product Communications*, **2017**, 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. *Magnetic Resonance in Chemistry*, **2014**, 52, 279-88	2.1	3
58	Synthesis and Evaluation of Novel Fluorinated 2-Styrylchromones as Antibacterial Agents. *Journal of Chemistry*, **2013**, 2013, 1-13	2.3	3
57	3-(3,4-Dichloro-benzyl-idene)chroman-4-one. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o3062		3
56	Curcumin modulates multiple cell death, matrix metalloproteinase activation and cardiac protein release in susceptible and resistant Plasmodium berghei-infected mice. *Biomedicine and Pharmacotherapy*, **2021**, 146, 112454	7.5	3
55	inhibits key carbohydrate digesting enzyme and intestinal glucose absorption and modulates glucose metabolism in diabetic rats. *Archives of Physiology and Biochemistry*, **2020**, 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. *Biological Trace Element Research*, **2020**, 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. *Scientific Reports*, **2021**, 11, 6941	4.9	3
52	Cytotoxicity and Antibacterial Evaluation of O-Alkylated/Acylated Quinazolin-4-one Schiff Bases. *Chemistry and Biodiversity*, **2021**, 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. *Journal of Food Biochemistry*, **2021**, 45, e13576	3.3	3
50	Phaseolus lunatus (lima beans) abates Fe2+-induced hepatic redox imbalance; inhibits intestinal glucose absorption and major carbohydrate catabolic enzymes; and modulates muscle glucose uptake. *Journal of Food Biochemistry*, **2018**, 42, e12655	3.3	3
49	In vitro antioxidant activities of leaf and root extracts of Albizia antunesiana harms. *Acta Poloniae Pharmaceutica*, **2013**, 70, 1035-43	1.3	3
48	Cardanols, long chain cyclohexenones and cyclohexenols from Lannea schimperi (Anacardiaceae). *Natural Product Communications*, **2015**, 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. *Acta Poloniae Pharmaceutica*, **2016**, 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. *Medicinal Chemistry Research*, **2015**, 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. *Journal of Food Science and Technology*, **2020**, 57, 4345-4354	2.2	2
44	Sesquiterpene lactones from and their quorum sensing inhibitory activity. *Natural Product Research*, **2021**, 35, 4517-4523	2.3	2
43	Synthesis and Characterization of Imidazolium Salts Bearing Fluorinated Anions. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2012**, 638, n/a-n/a	1.3	2

42	Synthesis and Antifungal Studies of (2E)-N-Benzyl-N?-phenylbut-2-enediamide and (2E)-N,N?-Dibenzylbut-2-enediamide Analogues. *Journal of Chemistry*, **2013**, 2013, 1-7	2.3	2
41	1-(5-Hy-droxy-2,2,8,8-tetra-methyl-2H,8H-pyrano[2,3-f]chromen-6-yl)ethanone. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o3048		2
40	Laccase-mediated modification of isorhamnetin improves antioxidant and antibacterial activities. *Process Biochemistry*, **2022**, 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. *Endocrine, Metabolic and Immune Disorders - Drug Targets*, **2021**, 21, 688-699	2.2	2
38	Synthesis and structure elucidation of a series of chloroquinoline-2-chalcones by the Doebner-Miller reaction. *Magnetic Resonance in Chemistry*, **2016**, 54, 677-83	2.1	2
37	A novel and unusual tetramethoxylated crinine alkaloid from Ammocharis coranica (Amaryllidaceae). *South African Journal of Botany*, **2021**, 137, 451-454	2.9	2
36	Perfluorophenyl Derivatives as Unsymmetrical Linkers for Solid Phase Conjugation. *Frontiers in Chemistry*, **2018**, 6, 589	5	2
35	Enzymatic dimerization of luteolin enhances antioxidant and antimicrobial activities. *Biocatalysis and Agricultural Biotechnology*, **2021**, 35, 102105	4.2	2
34	Antimalarial and Erythrocyte Membrane Stability Properties of (Engle Van Tiegh) Growing on Cocoa in -Infected Mice. *Infection and Drug Resistance*, **2021**, 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 (Raphia hookeri G. Mann & H. Wendl) wine. *Journal of Ethnopharmacology*, **2021**, 279, 114390	5	2
32	Biological evaluation of phytoconstituents from Markhamia tomentosa ethanolic leaf extract. *South African Journal of Botany*, **2018**, 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. *Journal of Molecular Liquids*, **2016**, 223, 819-827	6	1
30	Cardanols, Long Chain Cyclohexenones and Cyclohexenols from Lannea schimperi (Anacardiaceae). *Natural Product Communications*, **2015**, 10, 1934578X1501000	0.9	1
29	[1,4-Phenyl-enebis(methyl-ene)]bis-(tri-phenyl-phospho-nium) bis-(tetra-fluoro-borate). *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o3391		1
28	2-Acetyl-phenyl (2E)-3-(4-fluoro-phen-yl)acrylate. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o3049		1
27	1-(5-Hy-droxy-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. *Acta Crystallographica Section E: Structure Reports Online*, **2013**, 69, o484		1
26	3-(3-Nitro-benz-yl)-4H-chromen-4-one. *Acta Crystallographica Section E: Structure Reports Online*, **2013**, 69, o364		1
25	and computational studies of the antioxidant and anti-diabetic properties of. *Journal of Biomolecular Structure and Dynamics*, **2020**, 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 (Raphia hookeri G. Mann & H. Wendl) wine. *Neurochemistry International*, **2020**, 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. *Journal of Pharmacy and Pharmacology*, **2020**, 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. *Amino Acids*, **2021**, 53, 1135-1151	3.5	1
21	Synthesis, molecular docking and anticancer activity of 5,5P(phenylmethylene)bis(6-amino-2-thiouracil) derivatives. *Phosphorus, Sulfur and Silicon and the Related Elements*,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. *Journal of Diabetes and Metabolic Disorders*, **2019**, 18, 513-524	2.5	1
19	Phytochemical constituents of sterol-rich fraction from Allium cepa L. and its cytotoxic effect on human embryonic kidney (HEK293) cells. *Journal of Food Biochemistry*, **2021**, 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. *Journal of Food Biochemistry*, **2021** , 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. *Journal of the Iranian Chemical Society*, **2019**, 16, 1517-1526	2	0
16	Synthesis and structure elucidation using 2D NMR and thermal coefficient investigation on amino acid tethered quinoxalines. *Magnetic Resonance in Chemistry*, **2016**, 54, 921-929	2.1	0
15	Sequential extracts of red honeybush (Cyclopia genistoides) tea: Chemical characterization, antioxidant potentials, and anti-hyperglycemic activities. *Journal of Food Biochemistry*, **2020**, 44, e13478	3.3	0
14	Protects Against Oxidative Cardiotoxicity by Suppressing Lipid Dysmetabolism and Modulating Cardiometabolic Activities Linked to Cardiac Dysfunctions. *Frontiers in Pharmacology*, **2021**, 12, 610835	5.6	0
13	Cola nitida infusion modulates cardiometabolic activities linked to cardiomyopathy in diabetic rats. *Food and Chemical Toxicology*, **2021**, 154, 112335	4.7	0
12	Bio evaluation of different crude extracts of Chrysanthimoides monilifera subsp.rotundata. *Turkish Journal of Biochemistry*, **2014**, 39, 87-92	0.3	
11	3-Bromo-chroman-4-one. *Acta Crystallographica Section E: Structure Reports Online*, **2013**, 69, o473		
10	6-Hy-droxy-2H-1,3-benzodioxole-5-carbaldehyde. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o2681		
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