

Omar Mohammed Ali Noman

List of Publications by Year in descending order

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papers

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430754

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66
docs citations

66
times ranked

1136
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on ethno-medicinal plants used in traditional medicine in the Kingdom of Saudi Arabia. Saudi Journal of Biological Sciences, 2020, 27, 2706-2718.	1.8	74
2	In Vitro Alpha-Amylase and Alpha-Glucosidase Inhibitory Activity and In Vivo Antidiabetic Activity of Withania frutescens L. Foliar Extract. Molecules, 2021, 26, 293.	1.7	53
3	Evaluation of binding and inhibition mechanism of dietary phytochemicals with sphingosine kinase 1: Towards targeted anticancer therapy. Scientific Reports, 2019, 9, 18727.	1.6	52
4	Enhancing Oral Bioavailability of Apigenin Using a Bioactive Self-Nanoemulsifying Drug Delivery System (Bio-SNEDDS): In Vitro, In Vivo and Stability Evaluations. Pharmaceutics, 2020, 12, 749.	2.0	49
5	Treating Hyperglycemia From Eryngium caeruleum M. Bieb: In-vitro α -Glucosidase, Antioxidant, in-vivo Antidiabetic and Molecular Docking-Based Approaches. Frontiers in Chemistry, 2020, 8, 558641.	1.8	45
6	Evaluation of pyrazolopyrimidine derivatives as microtubule affinity regulating kinase 4 inhibitors: Towards therapeutic management of Alzheimer's disease. Journal of Biomolecular Structure and Dynamics, 2020, 38, 3892-3907.	2.0	37
7	Antioxidant, Anti-Inflammatory and Antidiabetic Properties of LC-MS/MS Identified Polyphenols from Coriander Seeds. Molecules, 2021, 26, 487.	1.7	37
8	Anti-bacterial activity of chitosan loaded plant essential oil against multi drug resistant K. pneumoniae. Saudi Journal of Biological Sciences, 2020, 27, 3449-3455.	1.8	30
9	Cytotoxic Evaluation and Anti-Angiogenic Effects of Two Furano-Sesquiterpenoids from Commiphora myrrh Resin. Molecules, 2020, 25, 1318.	1.7	30
10	Apoptotic Induction and Anti-Migratory Effects of Rhazya Stricta Fruit Extracts on a Human Breast Cancer Cell Line. Molecules, 2019, 24, 3968.	1.7	28
11	Bitter gourd (Momordica charantia) possess developmental toxicity as revealed by screening the seeds and fruit extracts in zebrafish embryos. BMC Complementary and Alternative Medicine, 2019, 19, 184.	3.7	26
12	Subacute Assessment of the Toxicity and Antidepressant-Like Effects of Origanum Majorana L. Polyphenols in Swiss Albino Mice. Molecules, 2020, 25, 5653.	1.7	26
13	Determination of Phenolic Compounds in Various Propolis Samples Collected from an African and an Asian Region and Their Impact on Antioxidant and Antibacterial Activities. Molecules, 2021, 26, 4589.	1.7	26
14	Natural flavonoid α -glucosidase inhibitors from Retama raetam: Enzyme inhibition and molecular docking reveal important interactions with the enzyme active site. Bioorganic Chemistry, 2019, 87, 736-742.	2.0	25
15	Phytochemical analysis and anti-diabetic, anti-inflammatory and antioxidant activities of Loranthus acaciae Zucc. Grown in Saudi Arabia. Saudi Pharmaceutical Journal, 2019, 27, 724-730.	1.2	21
16	Development, Characterization Optimization, and Assessment of Curcumin-Loaded Bioactive Self-Nanoemulsifying Formulations and Their Inhibitory Effects on Human Breast Cancer MCF-7 Cells. Pharmaceutics, 2020, 12, 1107.	2.0	21
17	Comparative study of antioxidant and anticancer activities and HPTLC quantification of rutin in white radish (<i>Raphanus sativus</i> L.) leaves and root extracts grown in Saudi Arabia. Open Chemistry, 2021, 19, 408-416.	1.0	21
18	Phytochemical Analysis, Cytotoxic, Antioxidant, and Antibacterial Activities of Lichens. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-11.	0.5	20

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19	Comparative evaluation of cytotoxic, antimicrobial and antioxidant activities of the crude extracts of three <i>Plectranthus</i> species grown in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 162-170.	1.2	19
20	Citrus Flavanone Narirutin, In Vitro and In Silico Mechanistic Antidiabetic Potential. <i>Pharmaceutics</i> , 2021, 13, 1818.	2.0	18
21	Phytochemical constituents and anticancer activities of <i>Tarhounanthus camphoratus</i> essential oils grown in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 1474-1480.	1.2	17
22	Understanding the interaction between α -1-acid glycoprotein (AGP) and potential Cu/Zn metallo-drugs of benzimidazole derived organic motifs: A multi-spectroscopic and molecular docking study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117457.	2.0	15
23	Response Surface Methodology (RSM)-Based Optimization of Ultrasound-Assisted Extraction of Sennoside A, Sennoside B, Aloe-Emodin, Emodin, and Chrysophanol from <i>Senna alexandrina</i> (Aerial) Tj ETQq1 1 0.7ĺ rgB5/Overlo		
24	Daidzein normalized gentamicin-induced nephrotoxicity and associated pro-inflammatory cytokines in MDCK and zebrafish: Possible mechanism of nephroprotection. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 258, 109364.	1.3	15
25	Cichorins Dâ€™F: Three New Compounds from <i>Cichorium intybus</i> and Their Biological Effects. <i>Molecules</i> , 2020, 25, 4160.	1.7	14
26	Antimicrobial and Antioxidant Properties of Total Polyphenols of <i>Anchusa italica</i> Retz. <i>Molecules</i> , 2022, 27, 416.	1.7	14
27	Effects of Hexane Root Extract of <i>Ferula hermonis</i> Boiss. on Human Breast and Colon Cancer Cells: An <i>In Vitro</i> and <i>In Vivo</i> Study. <i>BioMed Research International</i> , 2019, 2019, 1-12.	0.9	13
28	Siphonocholin isolated from red sea sponge <i>Siphonochalina siphonella</i> attenuates quorum sensing controlled virulence and biofilm formation. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 1383-1391.	1.2	13
29	Phytochemical analysis and evaluation of the cytotoxic, antimicrobial and antioxidant activities of essential oils from three <i>Plectranthus</i> species grown in Saudi Arabia. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 237.	3.7	12
30	Chemical Composition, In Vitro Antimicrobial, Free-Radical-Scavenging and Antioxidant Activities of the Essential Oil of <i>Leucas inflata</i> Benth. <i>Molecules</i> , 2017, 22, 367.	1.7	11
31	Chemical Profiling and Dose-Dependent Assessment of Fear Reducing and Memory-Enhancing Effects of <i>Solanum virginianum</i> in Rats. <i>Dose-Response</i> , 2021, 19, 155932582199848.	0.7	11
32	Defatted Hydroethanolic Extract of <i>Ammodaucus leucotrichus</i> Cosson and Durieu Seeds: Antidiabetic and Anti-Inflammatory Activities. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9147.	1.3	11
33	Anxiolytic, Antidepressant-Like Properties and Impact on the Memory of the Hydro-Ethanolic Extract of <i>Origanum majorana</i> L. on Mice. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8420.	1.3	10
34	Development and optimization of sitagliptin and dapagliflozin loaded oral self-nanoemulsifying formulation against type 2 diabetes mellitus. <i>Drug Delivery</i> , 2021, 28, 100-114.	2.5	10
35	Antioxidant and Anti-Urolithiatic Activity of Aqueous and Ethanolic Extracts from <i>Saussurea costus</i> (Falc) Lispich Using Scanning Electron Microscopy. <i>Life</i> , 2022, 12, 1026.	1.1	10
36	Biofilm inhibition and DNA binding studies of isoxazole-triazole conjugates in the development of effective anti-bacterial agents. <i>Journal of Molecular Structure</i> , 2020, 1201, 127144.	1.8	9

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37	Antihyperglycemic Effect of <i>Lavandula pedunculata</i> : In Vivo, In Vitro and Ex Vivo Approaches. <i>Pharmaceutics</i> , 2021, 13, 2019.	2.0	9
38	Chemical constituents from <i>Oncocalyx glabratus</i> and their biological activities. <i>Phytochemistry Letters</i> , 2017, 20, 128-132.	0.6	8
39	Analysis of Chemical Composition and Assessment of Cytotoxic, Antimicrobial, and Antioxidant Activities of the Essential Oil of <i>Meriandra dianthera</i> Growing in Saudi Arabia. <i>Molecules</i> , 2019, 24, 2647.	1.7	8
40	4-Benzylloxylonchocarpin and Muracatanes A-C from <i>Ranunculus muricatus</i> L. and Their Biological Effects. <i>Biomolecules</i> , 2020, 10, 1562.	1.8	8
41	The Nutritional and Antioxidant Potential of Artisanal and Industrial Apple Vinegars and Their Ability to Inhibit Key Enzymes Related to Type 2 Diabetes In Vitro. <i>Molecules</i> , 2022, 27, 567.	1.7	8
42	The influence of variations of furanosesquiterpenoids content of commercial samples of myrrh on their biological properties. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 981-989.	1.2	7
43	Implication, visualization, and characterization through scanning electron microscopy as a tool to identify nonedible oil seeds. <i>Microscopy Research and Technique</i> , 2021, 84, 379-393.	1.2	7
44	Induction of apoptosis and cell cycle arrest by chloroform fraction of <i>Juniperus phoenicea</i> and chemical constituents analysis. <i>Open Chemistry</i> , 2021, 19, 119-127.	1.0	7
45	Janerin Induces Cell Cycle Arrest at the G2/M Phase and Promotes Apoptosis Involving the MAPK Pathway in THP-1, Leukemic Cell Line. <i>Molecules</i> , 2021, 26, 7555.	1.7	7
46	The Reproductive Toxicity Associated with <i>Dodonaea viscosa</i> , a Folk Medicinal Plant in Saudi Arabia. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-9.	0.5	6
47	High-Performance Thin-Layer Chromatography for Rutin, Chlorogenic Acid, Caffeic Acid, Ursolic Acid, and Stigmasterol Analysis in <i>Periploca aphylla</i> Extracts. <i>Separations</i> , 2021, 8, 44.	1.1	6
48	A Phytochemical Analysis, Microbial Evaluation and Molecular Interaction of Major Compounds of <i>Centaurea bruguieriana</i> Using HPLC-Spectrophotometric Analysis and Molecular Docking. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3227.	1.3	6
49	Efficient Extraction of an Anthraquinone Physcion Using Response Surface Methodology (RSM) Optimized Ultrasound-Assisted Extraction Method from Aerial Parts of <i>Senna occidentalis</i> and Analysis by HPLC-UV. <i>Separations</i> , 2022, 9, 142.	1.1	6
50	Isolation, Characterization, and HPTLC-Quantification of Compounds with Anticancer Potential from <i>Loranthus Acaciae</i> Zucc.. <i>Separations</i> , 2020, 7, 43.	1.1	5
51	Quantification of biomarkers and evaluation of antioxidant, anti-inflammatory, and cytotoxicity properties of <i>Dodonaea viscosa</i> grown in Saudi Arabia using HPTLC technique. <i>Open Chemistry</i> , 2022, 20, 559-569.	1.0	5
52	In Vitro Antioxidant, Cytotoxic Activities, and Phenolic Profile of <i>Senecio glaucus</i> from Saudi Arabia. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-9.	0.5	4
53	Impact of Different Extraction Methods on Furanosesquiterpenoids Content and Antibacterial Activity of <i>Commiphora myrrha</i> Resin. <i>Journal of Analytical Methods in Chemistry</i> , 2021, 2021, 1-10.	0.7	3
54	<i>Ducrosia ismaelis</i> Asch. essential oil: chemical composition profile and anticancer, antimicrobial and antioxidant potential assessment. <i>Open Chemistry</i> , 2020, 18, 175-184.	1.0	3

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55	Calibration of Thermal Dissipation Probes for Date Palm (<i>Phoenix dactylifera</i> L.). <i>Horticulturae</i> , 2022, 8, 107.	1.2	3
56	Unprecedented Insights on Chemical and Biological Significance of <i>Euphorbia cactus</i> Growing in Saudi Arabia. <i>Plants</i> , 2022, 11, 681.	1.6	3
57	Chemical Composition, Antioxidant Potentials, and Calcium Oxalate Anticrystallization Activity of Polyphenol and Saponin Fractions from <i>Argania spinosa</i> L. Press Cake. <i>Plants</i> , 2022, 11, 1852.	1.6	3
58	Rapid and Sensitive Method for Extraction of <i>Plicosepalus acacia</i> with Determination of Its Main Polyphenolic Compounds Using Validated HPLC. <i>Journal of Analytical Methods in Chemistry</i> , 2020, 2020, 1-7.	0.7	2
59	The Influence of Mycorrhizal Fungi on the Accumulation of Sennosides A and B in <i>Senna alexandrina</i> and <i>Senna italica</i> . <i>Separations</i> , 2020, 7, 65.	1.1	2
60	The first bioactivity studies of <i>Acantholimon lycopodioides</i> from high altitude Karakoram-Himalayan desert. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2514-2520.	1.8	2
61	Anatomical Characterization, HPLC Analysis, and Biological Activities of <i>Ilex dipyrrena</i> . <i>Plants</i> , 2022, 11, 617.	1.6	2
62	GC-MS Method for Quantification and Pharmacokinetic Study of Four Volatile Compounds in Rat Plasma after Oral Administration of <i>Commiphora myrrh</i> (Nees) Engl. Resin and In Vitro Cytotoxic Evaluation. <i>Separations</i> , 2021, 8, 239.	1.1	2
63	Boosted Antioxidant Effect Using a Combinatory Approach with Essential Oils from <i>Origanum compactum</i> , <i>Origanum majorana</i> , <i>Thymus serpyllum</i> , <i>Mentha spicata</i> , <i>Myrtus communis</i> , and <i>Artemisia herba-alba</i> : Mixture Design Optimization. <i>Plants</i> , 2021, 10, 2817.	1.6	2
64	<i>Streblus asper</i> attenuates alloxan-induced diabetes in rats and demonstrates antioxidant and cytotoxic effects. <i>Pharmaceutical Biology</i> , 2021, 59, 1056-1062.	1.3	1
65	Comparative Chemical Profiling and Biological Potential of Essential Oils of Petal, Choke, and Heart Parts of <i>Cynara scolymus</i> L. Head. <i>Journal of Chemistry</i> , 2022, 2022, 1-16.	0.9	1
66	The anti-oxidative, anti-cell proliferative and anti-microbial efficacies of cold-adapted <i>Crepis flexuosa</i> : HPTLC and GC/MS analyses. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 3062-3068.	1.8	0