

# Mohamed A Salem

## List of Publications by Year in descending order

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71  
papers

1,757  
citations

361045

20  
h-index

315357

38  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic Potential of Quercetin: New Insights and Perspectives for Human Health. ACS Omega, 2020, 5, 11849-11872.	1.6	335
2	Protocol: a fast, comprehensive and reproducible one-step extraction method for the rapid preparation of polar and semi-polar metabolites, lipids, proteins, starch and cell wall polymers from a single sample. Plant Methods, 2016, 12, 45.	1.9	150
3	Metabolomics in the Context of Plant Natural Products Research: From Sample Preparation to Metabolite Analysis. Metabolites, 2020, 10, 37.	1.3	147
4	Regulatory-associated protein of TOR (RAPTOR) alters the hormonal and metabolic composition of Arabidopsis seeds, controlling seed morphology, viability and germination potential. Plant Journal, 2017, 92, 525-545.	2.8	71
5	Insights into Eucalyptus genus chemical constituents, biological activities and health-promoting effects. Trends in Food Science and Technology, 2019, 91, 609-624.	7.8	71
6	RAPTOR Controls Developmental Growth Transitions by Altering the Hormonal and Metabolic Balance. Plant Physiology, 2018, 177, 565-593.	2.3	66
7	One-pot synthesis and molecular docking of some new spiropyranindol-2-one derivatives as immunomodulatory agents and <i>in vitro</i> antimicrobial potential with DNA gyrase inhibitor. European Journal of Medicinal Chemistry, 2020, 188, 111977.	2.6	62
8	An improved extraction method enables the comprehensive analysis of lipids, proteins, metabolites and phytohormones from a single sample of leaf tissue under water deficit stress. Plant Journal, 2020, 103, 1614-1632.	2.8	55
9	Design, synthesis, <i>in vitro</i> antimicrobial evaluation and molecular docking studies of indol-2-one tagged with morpholinosulfonyl moiety as DNA gyrase inhibitors. Bioorganic Chemistry, 2020, 96, 103619.	2.0	50
10	Development of novel indolin-2-one derivative incorporating thiazole moiety as DHFR and quorum sensing inhibitors: Synthesis, antimicrobial, and antibiofilm activities with molecular modelling study. Bioorganic Chemistry, 2022, 119, 105571.	2.0	44
11	A Simple Fractionated Extraction Method for the Comprehensive Analysis of Metabolites, Lipids, and Proteins from a Single Sample. Journal of Visualized Experiments, 2017, . .	0.2	40
12	Synthesis and characterization of new types of 2-(6-methoxy-2-naphthyl)propionamide derivatives as potential antibacterial and antifungal agents. Medicinal Chemistry Research, 2013, 22, 5598-5609.	1.1	33
13	Design, synthesis, molecular modeling, and antimicrobial potential of novel 3-((1 <i>H</i> -pyrazol-3-yl)imino]indolin-2-one derivatives as DNA gyrase inhibitors. Archiv Der Pharmazie, 2022, 355, e2100266.	2.1	33
14	Recent synthetic methodologies for pyrazolo[1,5- <i>a</i> ]pyrimidine. Synthetic Communications, 2019, 49, 1750-1776.	1.1	32
15	Potential Valorization of Edible Nuts By-Products: Exploring the Immune-Modulatory and Antioxidants Effects of Selected Nut Shells Extracts in Relation to Their Metabolic Profiles. Antioxidants, 2022, 11, 462.	2.2	27
16	Comparative Metabolomics Approach Detects Stress-Specific Responses during Coral Bleaching in Soft Corals. Journal of Proteome Research, 2018, 17, 2060-2071.	1.8	25
17	Cyanoacetanilides Intermediates in Heterocyclic Synthesis. Part 5: Preparation of Hitherto Unknown 5-Aminopyrazole and Pyrazolo[1,5- <i>a</i> ]pyrimidine Derivatives Containing Sulfamoyl Moiety. Journal of the Chinese Chemical Society, 2009, 56, 1064-1071.	0.8	23
18	UPLC-ESI-MS/MS profiling of the underground parts of common Iris species in relation to their anti-virulence activities against Staphylococcus aureus. Journal of Ethnopharmacology, 2022, 282, 114658.	2.0	23

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19	Ag NPs supported chitosan-agarose modified Fe <sub>3</sub> O <sub>4</sub> nanocomposite catalyzed synthesis of indazolo[2,1-b]phthalazines and anticancer studies against liver and lung cancer cells. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 20-28.	3.6	23
20	Limited nitrogen availability has cultivar-dependent effects on potato tuber yield and tuber quality traits. <i>Food Chemistry</i> , 2019, 288, 170-177.	4.2	22
21	Using an UPLC/MS-based untargeted metabolomics approach for assessing the antioxidant capacity and anti-aging potential of selected herbs. <i>RSC Advances</i> , 2020, 10, 31511-31524.	1.7	22
22	Optimization of an Extraction Solvent for Angiotensin-Converting Enzyme Inhibitors from <i>Hibiscus sabdariffa</i> L. Based on Its UPLC-MS/MS Metabolic Profiling. <i>Molecules</i> , 2020, 25, 2307.	1.7	20
23	In vivo Antibacterial Activity of Star Anise ( <i>Illicium verum</i> Hook.) Extract Using Murine MRSA Skin Infection Model in Relation to Its Metabolite Profile. <i>Infection and Drug Resistance</i> , 2021, Volume 14, 33-48.	1.1	20
24	The phosphorylated pathway of serine biosynthesis links plant growth with nitrogen metabolism. <i>Plant Physiology</i> , 2021, 186, 1487-1506.	2.3	20
25	Sulfur deficiency-induced genes affect seed protein accumulation and composition under sulfate deprivation. <i>Plant Physiology</i> , 2021, 187, 2419-2434.	2.3	20
26	Phenolics from <i>Physalis peruviana</i> fruits ameliorate streptozotocin-induced diabetes and diabetic nephropathy in rats via induction of autophagy and apoptosis regression. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111948.	2.5	20
27	Chemical Composition and Biological Activities of the Essential Oil of <i>Mentha suaveolens</i> Ehrh.. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2012, 67, 571-579.	0.6	18
28	The integration of MS-based metabolomics and multivariate data analysis allows for improved quality assessment of <i>Zingiber officinale</i> Roscoe. <i>Phytochemistry</i> , 2021, 190, 112843.	1.4	18
29	Nanoemulsions in Food Industry. , 0, , .		17
30	Chemotaxonomic study of the most abundant Egyptian sea-cucumbers using ultra-performance liquid chromatography (UPLC) coupled to high-resolution mass spectrometry (HRMS). <i>Chemoecology</i> , 2020, 30, 35-48.	0.6	16
31	Coriander ( <i>Coriandrum sativum</i> L.) essential oil and oil-loaded nano-formulations as an anti-aging potentiality via TGF $\beta$ <sup>2</sup> /SMAD pathway. <i>Scientific Reports</i> , 2022, 12, 6578.	1.6	16
32	Chemical and biological study of <i>Mentha suaveolens</i> Ehrh. cultivated in Egypt. <i>Journal of Medicinal Plants Research</i> , 2014, 8, 747-755.	0.2	15
33	Metabolomics-based profiling for quality assessment and revealing the impact of drying of Turmeric ( <i>Curcuma longa</i> L.). <i>Scientific Reports</i> , 2022, 12, .	1.6	14
34	An effective green one-pot synthesis of some novel 5-(thiophene-2-carbonyl)-6-(trifluoromethyl)pyrano[2,3- <i>c</i> ]pyrazoles and 6-(thiophene-2-carbonyl)-7-(trifluoromethyl)pyrano[2,3- <i>d</i> ]pyrimidines bearing chromone ring as anticancer agents. <i>Synthetic Communications</i> , 2021, 51, 3267-3276.	1.1	13
35	<i>Hibiscus sabdariffa</i> L.: phytoconstituents, nutritive, and pharmacological applications. <i>Advances in Traditional Medicine</i> , 2022, 22, 497-507.	1.0	13
36	Botanical and genetic characterization of <i>Mentha suaveolens</i> Ehrh. cultivated in Egypt. <i>Pharmacognosy Journal</i> , 2013, 5, 228-237.	0.3	12

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37	Dose-dependent interactions between two loci trigger altered shoot growth in BC <sup>5</sup> —Krotzenburg <sup>0</sup> (Kro <sup>0</sup> ) hybrids of <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2018, 217, 392-406.	3.5	12
38	A mechanistic study of <i>Solenostemma argel</i> as anti-rheumatic agent in relation to its metabolite profile using UPLC/HRMS. <i>Journal of Ethnopharmacology</i> , 2021, 265, 113341.	2.0	11
39	The use of aromatic plants and their therapeutic potential as antiviral agents: A hope for finding anti-COVID 19 essential oils. <i>Journal of Essential Oil Research</i> , 2021, 33, 105-113.	1.3	10
40	Synthesis and antimicrobial evaluation of new 2-pyridinone and 2-aminochromene derivatives containing morpholine moiety. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 2117-2123.	1.4	10
41	A comparative transcriptomics and eQTL approach identifies <i>SlWD40</i> as a tomato fruit ripening regulator. <i>Plant Physiology</i> , 2022, 190, 250-266.	2.3	9
42	Chemical composition of the essential oil and botanical study of the flowers of <i>Mentha suaveolens</i> . <i>Pharmaceutical Biology</i> , 2014, 52, 688-697.	1.3	8
43	A Response to the Recommendations for Using Dexamethasone for the Treatment of COVID-19: The Dark Side of Dexamethasone. <i>Journal of Pharmacy Practice</i> , 2021, 34, 179-180.	0.5	8
44	Viscoelastic and Properties of Amphiphilic Chitin in Plasticised Polylactic Acid/Starch Biocomposite. <i>Polymers</i> , 2022, 14, 2268.	2.0	8
45	Semi-targeted Lipidomics of Plant Acyl Lipids Using UPLC-HR-MS in Combination with a Data-Independent Acquisition Mode. <i>Methods in Molecular Biology</i> , 2018, 1778, 137-155.	0.4	7
46	Synthesis and antimicrobial activity of 4-methylthiazole and 4-thiazolidinone derivatives derived from 5-(aryldiazo)salicylaldehyde thiosemicarbazones. <i>Synthetic Communications</i> , 2021, 51, 3325-3331.	1.1	7
47	A Comparative Study of the Antihypertensive and Cardioprotective Potentials of Hot and Cold Aqueous Extracts of <i>Hibiscus sabdariffa</i> L. in Relation to Their Metabolic Profiles. <i>Frontiers in Pharmacology</i> , 2022, 13, 840478.	1.6	7
48	Herbal cosmeticology. , 2021, , 129-168.		6
49	Mutation in the <i>Arabidopsis</i> regulatory-associated protein TOR 1B (RAPTOR1B) leads to decreased jasmonates levels in leaf tissue. <i>Plant Signaling and Behavior</i> , 2019, 14, e1649567.	1.2	5
50	Chemical Composition and Biological Activities of the Essential Oil of <i>Mentha suaveolens</i> Ehrh.. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2012, 67, 0571.	0.6	5
51	Synthesis, Antimicrobial Activity and Molecular Modeling of Some Novel 5-Aminopyrazole, Pyrazolo[1,5-a]pyrimidine, Bispyrazole and Bispyridone Derivatives Containing Antipyrinyl Moiety. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 2614-2626.	1.4	4
52	Regulatory-Associated Protein of TOR 1B (RAPTOR1B) regulates hormonal switches during seed germination in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2019, 14, 1613130.	1.2	4
53	Discrimination of common <i>Iris</i> species from Egypt based on their genetic and metabolic profiling. <i>Phytochemical Analysis</i> , 2021, 32, 172-182.	1.2	4
54	Synthesis and Biological Evaluation of Chromen-2-One and Chromen-2-Imine Derivatives Bearing Aryldiazanyl Moiety as Expected Antimicrobial Agents. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 1081-1091.	1.4	4

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55	Regioselective transmonocyanacetylation of o-phenylenediamine derivatives: simple and efficient synthesis of 2-cyanomethylbenzimidazole derivatives. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 639-643.	1.2	3
56	Utilization of cyanothioformamides in the syntheses of various types of imidazole derivatives. <i>Synthetic Communications</i> , 2020, 50, 621-648.	1.1	3
57	Identification and analysis of toxic phytochemicals. , 2021, , 443-479.		3
58	Dietary Xanthones. , 2020, , 1-22.		3
59	Molluscicidal and Mosquitocidal Activities of the Essential Oil of <i>Mentha suaveolens</i> Ehrh. Cultivated in Egypt. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2015, 18, 436-443.	0.7	2
60	Plants against malarial and typhoid fever. , 2021, , 285-312.		2
61	Application of a comprehensive metabolomics approach for the selection of flaxseed varieties with the highest nutritional and medicinal attributes. <i>Journal of Food and Drug Analysis</i> , 2021, 29, .	0.9	2
62	Utilization of hydrolysate from saccharified sugarcane bagasse for phosphatases production. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 5331-5342.	2.9	2
63	Chemistry of 2-cyanomethylene-4-thiazolidinone. <i>Journal of Sulfur Chemistry</i> , 2017, 38, 314-345.	1.0	1
64	Liquid Chromatography-Tandem Mass Spectrometry-Based Profiling of. <i>Methods in Molecular Biology</i> , 2022, 2462, 125-133.	0.4	1
65	Bioactive lead compounds and molecular targets for the treatment of heart diseases. , 2020, , 67-94.		0
66	Rivastigmine. , 2021, , 93-108.		0
67	Psychoactive plants and phytochemicals. , 2021, , 121-150.		0
68	Diazenylschiff <sup>TM</sup> s bases of salicylaldehydes: Synthesis and antimicrobial evaluation of 5-(aryldiazo) salicylaldimines. <i>Synthetic Communications</i> , 2021, 51, 2984-2990.	1.1	0
69	Important antihistaminic plants and their potential role in health. , 2021, , 171-191.		0
70	Natural Products, the New Intervention Regime of Metabolic Disorders. <i>Natural Products in Clinical Trials</i> , 2020, , 32-122.	0.2	0
71	Natural Products for the Management of Cardiovascular Diseases. <i>Natural Products in Clinical Trials</i> , 2020, , 151-202.	0.2	0