

Hamdoon A Mohammed

List of Publications by Year in descending order

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56
papers

1,069
citations

361413
20
h-index

501196
28
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56
all docs

56
docs citations

56
times ranked

696
citing authors

#	ARTICLE	IF	CITATIONS
1	A facile approach synthesis of benzoylaryl benzimidazole as potential $\hat{\alpha}$ -amylase and $\hat{\alpha}$ -glucosidase inhibitor with antioxidant activity. <i>Bioorganic Chemistry</i> , 2021, 114, 105073.	4.1	46
2	Natural Polysaccharides as Preventive and Therapeutic Horizon for Neurodegenerative Diseases. <i>Pharmaceutics</i> , 2022, 14, 1.	4.5	45
3	Quercetin against MCF7 and CAL51 breast cancer cell lines: apoptosis, gene expression and cytotoxicity of nano-quercetin. <i>Nanomedicine</i> , 2021, 16, 1937-1961.	3.3	44
4	Flavonoidâ€™DNA binding studies and thermodynamic parameters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1600-1604.	3.9	40
5	Cetuximab Conjugated with Octreotide and Entrapped Calcium Alginate-beads for Targeting Somatostatin Receptors. <i>Scientific Reports</i> , 2020, 10, 4736.	3.3	39
6	Layer-by-Layer Nanoparticles of Tamoxifen and Resveratrol for Dual Drug Delivery System and Potential Triple-Negative Breast Cancer Treatment. <i>Pharmaceutics</i> , 2021, 13, 1098.	4.5	39
7	Isolation, characterization, anti-MRSA evaluation, and in-silico multi-target anti-microbial validations of actinomycin X2 and actinomycin D produced by novel <i>Streptomyces smyrnaeus</i> UKAQ_23. <i>Scientific Reports</i> , 2021, 11, 14539.	3.3	39
8	Phytochemical Profiling, In Vitro and In Silico Anti-Microbial and Anti-Cancer Activity Evaluations and Staph GyraseB and h-TOP-III ² Receptor-Docking Studies of Major Constituents of <i>Zygophyllum coccineum</i> L. Aqueous-Ethanollic Extract and Its Subsequent Fractions: An Approach to Validate Traditional Phytomedicinal Knowledge. <i>Molecules</i> , 2021, 26, 577.	3.8	38
9	Anthocyanins: Traditional Uses, Structural and Functional Variations, Approaches to Increase Yields and Productsâ€™ Quality, Hepatoprotection, Liver Longevity, and Commercial Products. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2149.	4.1	35
10	Formulation of Ethyl Cellulose Microparticles Incorporated Pheophytin A Isolated from <i>Suaeda vermiculata</i> for Antioxidant and Cytotoxic Activities. <i>Molecules</i> , 2019, 24, 1501.	3.8	32
11	Essential Oil Constituents and Biological Activities of the Halophytic Plants, <i>Suaeda Vermiculata</i> Forssk and <i>Salsola Cyclophylla</i> Bakera Growing in Saudi Arabia. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2019, 22, 82-93.	1.9	32
12	The Valuable Impacts of Halophytic Genus <i>Suaeda</i> ; Nutritional, Chemical, and Biological Values. <i>Medicinal Chemistry</i> , 2020, 16, 1044-1057.	1.5	29
13	Bio-Evaluation of the Wound Healing Activity of <i>Artemisia judaica</i> L. as Part of the Plantâ€™s Use in Traditional Medicine; Phytochemical, Antioxidant, Anti-Inflammatory, and Antibiofilm Properties of the Plantâ€™s Essential Oils. <i>Antioxidants</i> , 2022, 11, 332.	5.1	29
14	Galangin/ β -Cyclodextrin Inclusion Complex as a Drug-Delivery System for Improved Solubility and Biocompatibility in Breast Cancer Treatment. <i>Molecules</i> , 2022, 27, 4521.	3.8	28
15	Drying Induced Impact on Composition and Oil Quality of Rosemary Herb, <i>Rosmarinus Officinalis</i> Linn. <i>Molecules</i> , 2020, 25, 2830.	3.8	26
16	Comparative Phytochemical Profile and Biological Activity of Four Major Medicinal Halophytes from Qassim Flora. <i>Plants</i> , 2021, 10, 2208.	3.5	25
17	<i>Suaeda vermiculata</i> Aqueous-Ethanollic Extract-Based Mitigation of CCl ₄ -Induced Hepatotoxicity in Rats, and HepG-2 and HepG-2/ADR Cell-Lines-Based Cytotoxicity Evaluations. <i>Plants</i> , 2020, 9, 1291.	3.5	23
18	Chemical Profile, Antioxidant, Antimicrobial, and Anticancer Activities of the Water-Ethanol Extract of <i>Pulicaria undulata</i> Growing in the Oasis of Central Saudi Arabian Desert. <i>Plants</i> , 2021, 10, 1811.	3.5	23

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19	Anti-Microbial, Anti-Oxidant, and α -Amylase Inhibitory Activity of Traditionally-Used Medicinal Herbs: A Comparative Analyses of Pharmacology, and Phytoconstituents of Regional Halophytic Plants of the Mediterranean Region. <i>Molecules</i> , 2020, 25, 5457.	3.8	22
20	Gold Nanoparticles and Graphene Oxide Flakes Synergistic Partaking in Cytosolic Bactericidal Augmentation: Role of ROS and NOX2 Activity. <i>Microorganisms</i> , 2021, 9, 101.	3.6	22
21	Anthocyanins rich pomegranate cream as a topical formulation with anti-aging activity. <i>Journal of Dermatological Treatment</i> , 2021, 32, 983-990.	2.2	21
22	Gold Nanoparticles and Graphene Oxide Flakes Enhance Cancer Cells Phagocytosis through Granzyme-Perforin-Dependent Biomechanism. <i>Nanomaterials</i> , 2021, 11, 1382.	4.1	20
23	Synthesis of chromenoindole derivatives from <i>Robinia pseudoacacia</i> . <i>MedChemComm</i> , 2013, 4, 1580.	3.4	18
24	In Vitro and Ex Vivo Antibiofilm Activity of a Lipopeptide Biosurfactant Produced by the Entomopathogenic <i>Beauveria bassiana</i> Strain against <i>Microsporum canis</i> . <i>Microorganisms</i> , 2020, 8, 232.	3.6	18
25	Phytochemical Analysis, Pharmacological and Safety Evaluations of Halophytic Plant, <i>Salsola cyclophylla</i> . <i>Molecules</i> , 2021, 26, 2384.	3.8	18
26	Nano-scale delivery: A comprehensive review of nano-structured devices, preparative techniques, site-specificity designs, biomedical applications, commercial products, and references to safety, cellular uptake, and organ toxicity. <i>Nanotechnology Reviews</i> , 2021, 10, 1493-1559.	5.8	18
27	Copper Oxide Nanoparticle-Decorated Carbon Nanoparticle Composite Colloidal Preparation through Laser Ablation for Antimicrobial and Antiproliferative Actions against Breast Cancer Cell Line, MCF-7. <i>BioMed Research International</i> , 2022, 2022, 1-13.	1.9	18
28	Anti-Oral Pathogens of <i>Tecoma stans</i> (L.) and <i>Cassia javanica</i> (L.) Flower Volatile Oils in Comparison with Chlorhexidine in Accordance with Their Folk Medicinal Uses. <i>Medicina (Lithuania)</i> , 2019, 55, 301.	2.0	17
29	Sage, <i>Salvia officinalis</i> L., Constituents, Hepatoprotective Activity, and Cytotoxicity Evaluations of the Essential Oils Obtained from Fresh and Differently Timed Dried Herbs: A Comparative Analysis. <i>Molecules</i> , 2021, 26, 5757.	3.8	15
30	Phytochemical profiling, molecular docking, and anti-hepatocellular carcinoid bioactivity of extracts. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103950.	4.9	15
31	Bioactivities of the Green Synthesized Silver Nanoparticles Reduced Using <i>Allium cepa</i> L Aqueous Extracts Induced Apoptosis in Colorectal Cancer Cell Lines. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-13.	2.7	14
32	Facile Synthesis of Chrysin-derivatives with Promising Activities as Aromatase Inhibitors. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	13
33	Self-Generating nano-emulsification techniques for alternatively-routed, bioavailability enhanced delivery, especially for anti-cancers, anti-diabetics, and miscellaneous drugs of natural, and synthetic origins. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101808.	3.0	13
34	In Vitro and In Silico Approaches for the Antileishmanial Activity Evaluations of Actinomycins Isolated from Novel <i>Streptomyces smyrnaeus</i> Strain UKAQ_23. <i>Antibiotics</i> , 2021, 10, 887.	3.7	13
35	Preparation of Iron Oxide and Titania-Based Composite, Core-Shell Populated, Nanoparticulates Material by Two-Step LASER Ablation in Aqueous Media as Antimicrobial and Anticancer Agents. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-19.	4.1	13
36	Sukkari dates seed improves type-2 diabetes mellitus-induced memory impairment by reducing blood glucose levels and enhancing brain cholinergic transmission: In vivo and molecular modeling studies. <i>Saudi Pharmaceutical Journal</i> , 2022, 30, 750-763.	2.7	13

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37	Glutathione-loaded non-ionic surfactant niosomes: A new approach to improve oral bioavailability and hepatoprotective efficacy of glutathione. <i>Nanotechnology Reviews</i> , 2021, 11, 117-137.	5.8	13
38	Facile synthesis of chrysin-derivatives with promising activities as aromatase inhibitors. <i>Natural Product Communications</i> , 2011, 6, 31-4.	0.5	12
39	The Anti-Inflammatory Effect of a $\hat{1}^3$ -Lactone Isolated from Ostrich Oil of <i>Struthio camelus</i> (Ratite) and Its Formulated Nano-Emulsion in Formalin-Induced Paw Edema. <i>Molecules</i> , 2021, 26, 3701.	3.8	11
40	Roles of <i>Suaeda vermiculata</i> Aqueous-Ethanollic Extract, Its Subsequent Fractions, and the Isolated Compounds in Hepatoprotection against Paracetamol-Induced Toxicity as Compared to Silymarin. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-10.	4.0	11
41	Phytochemical Analysis, Antioxidant Potential, and Cytotoxicity Evaluation of Traditionally Used <i>Artemisia absinthium</i> L. (Wormwood) Growing in the Central Region of Saudi Arabia. <i>Plants</i> , 2022, 11, 1028.	3.5	11
42	Pyrethroid-Induced Organ Toxicity and Anti-Oxidant-Supplemented Amelioration of Toxicity and Organ Damage: The Protective Roles of Ascorbic Acid and $\hat{1}\pm$ -Tocopherol. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6177.	2.6	10
43	Comparative Study for the Volatile Oil Constituents and Antimicrobial Activity of <i>Rhanterium epapposum</i> Oliv. Growing in Qassim, Saudi Arabia. <i>Pharmacognosy Journal</i> , 2019, 11, 195-199.	0.8	10
44	Nano-Structured Lipid Carrier-Based Oral Glutathione Formulation Mediates Renoprotection against Cyclophosphamide-Induced Nephrotoxicity, and Improves Oral Bioavailability of Glutathione Confirmed through RP-HPLC Micellar Liquid Chromatography. <i>Molecules</i> , 2021, 26, 7491.	3.8	10
45	Liposome-based drug delivery of various anticancer agents of synthetic and natural product origin: a Patent overview. <i>Pharmaceutical Patent Analyst</i> , 2020, 9, 87-116.	1.1	9
46	Phytochemical Characterization, In Vitro Anti-Inflammatory, Anti-Diabetic, and Cytotoxic Activities of the Edible Aromatic Plant; <i>Pulicaria jaubertii</i> . <i>Molecules</i> , 2021, 26, 203.	3.8	9
47	The Glycemic Control Potential of Some Amaranthaceae Plants, with Particular Reference to In Vivo Antidiabetic Potential of <i>Agathophora alopecuroides</i> . <i>Molecules</i> , 2022, 27, 973.	3.8	9
48	<i>Pituranthos tortuosus</i> Essential Oil from Libya: Season Effect on the Composition and Antioxidant Activity. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2020, 23, 1095-1104.	1.9	8
49	Isolation, Characterization, Complete Structural Assignment, and Anticancer Activities of the Methoxylated Flavonoids from <i>Rhamnus disperma</i> Roots. <i>Molecules</i> , 2021, 26, 5827.	3.8	8
50	Coagulation System Activation for Targeting of COVID-19: Insights into Anticoagulants, Vaccine-Loaded Nanoparticles, and Hypercoagulability in COVID-19 Vaccines. <i>Viruses</i> , 2022, 14, 228.	3.3	6
51	Behavioral Evaluation of the Effects of Aqueous and Ethanol Extracts of <i>Suaeda vermiculata</i> Forssk on Rats. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2020, 20, 122-127.	1.1	5
52	Evaluation of the Wheat Germ Oil Topical Formulations for Wound Healing Activity in Rats. <i>Pakistan Journal of Biological Sciences</i> , 2021, 24, 706-715.	0.5	4
53	Synthesis and Anti-Cancer Activity of New Pyrazolanyl-Indole Derivatives: Pharmacophoric Interactions and Docking Studies for Identifying New EGFR Inhibitors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6548.	4.1	4
54	In Vitro Anti-Proliferative, and Kinase Inhibitory Activity of Phenanthroindolizidine Alkaloids Isolated from <i>Tylophora indica</i> . <i>Plants</i> , 2022, 11, 1295.	3.5	3

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55	The halophytic plant, Suaeda vermiculata Forssk extracts reduce the inflamed paw edema and exert potential antimicrobial activity. Pakistan Journal of Botany, 2021, 53, .	0.5	2
56	Nematocidal Effect of 1,2,4-triazole Derivatives Against Bursaphelenchus xylophilus. Asian Journal of Biochemistry, 2016, 11, 156-161.	0.5	1