

Ahmed Al-Harrasi

List of Publications by Year in descending order

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Version: 2024-02-01

316
papers

5,800
citations

94433

37
h-index

168389

53
g-index

321
all docs

321
docs citations

321
times ranked

5173
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Sphingomonas</i> : from diversity and genomics to functional role in environmental remediation and plant growth. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 138-152.	9.0	264
2	Melatonin: Awakening the Defense Mechanisms during Plant Oxidative Stress. <i>Plants</i> , 2020, 9, 407.	3.5	124
3	Endophytic bacteria (<i>Sphingomonas</i> sp. LK11) and gibberellin can improve <i>Solanum lycopersicum</i> growth and oxidative stress under salinity. <i>Journal of Plant Interactions</i> , 2015, 10, 117-125.	2.1	113
4	Silicon and Salinity: Crosstalk in Crop-Mediated Stress Tolerance Mechanisms. <i>Frontiers in Plant Science</i> , 2019, 10, 1429.	3.6	106
5	Phytohormones enabled endophytic fungal symbiosis improve aluminum phytoextraction in tolerant <i>Solanum lycopersicum</i> : An examples of <i>Penicillium janthinellum</i> LK5 and comparison with exogenous GA3. <i>Journal of Hazardous Materials</i> , 2015, 295, 70-78.	12.4	83
6	Botanical drugs and supplements affecting the immune response in the time of COVID-19: Implications for research and clinical practice. <i>Phytotherapy Research</i> , 2021, 35, 3013-3031.	5.8	81
7	Endophytic Microbial Consortia of Phytohormones-Producing Fungus <i>Paecilomyces formosus</i> LHL10 and Bacteria <i>Sphingomonas</i> sp. LK11 to <i>Glycine max</i> L. Regulates Physio-hormonal Changes to Attenuate Aluminum and Zinc Stresses. <i>Frontiers in Plant Science</i> , 2018, 9, 1273.	3.6	80
8	Neuropharmacological Effects of Quercetin: A Literature-Based Review. <i>Frontiers in Pharmacology</i> , 2021, 12, 665031.	3.5	77
9	Synthesis of 1H-1,2,3-triazole derivatives as new α -glucosidase inhibitors and their molecular docking studies. <i>Bioorganic Chemistry</i> , 2018, 81, 98-106.	4.1	75
10	Development of new NIR-spectroscopy method combined with multivariate analysis for detection of adulteration in camel milk with goat milk. <i>Food Chemistry</i> , 2017, 221, 746-750.	8.2	72
11	Mechanisms of Cr(VI) resistance by endophytic <i>Sphingomonas</i> sp. LK11 and its Cr(VI) phytotoxic mitigating effects in soybean (<i>Glycine max</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 648-658.	6.0	71
12	Polyphenols inhibiting MAPK signalling pathway mediated oxidative stress and inflammation in depression. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112545.	5.6	71
13	Molecular Players of EF-hand Containing Calcium Signaling Event in Plants. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1476.	4.1	69
14	Silicon-mediated alleviation of combined salinity and cadmium stress in date palm (<i>Phoenix dactylifera</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T 109885.	6.0	69
15	Tumor-Associated Macrophages as Multifaceted Regulators of Breast Tumor Growth. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6526.	4.1	67
16	CD147-spike protein interaction in COVID-19: Get the ball rolling with a novel receptor and therapeutic target. <i>Science of the Total Environment</i> , 2022, 808, 152072.	8.0	66
17	The molecular mass and isoelectric point of plant proteomes. <i>BMC Genomics</i> , 2019, 20, 631.	2.8	62
18	Phytohormones enabled endophytic <i>Penicillium funiculosum</i> LHL06 protects <i>Glycine max</i> L. from synergistic toxicity of heavy metals by hormonal and stress-responsive proteins modulation. <i>Journal of Hazardous Materials</i> , 2019, 379, 120824.	12.4	60

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19	Silicon and salicylic acid confer high-pH stress tolerance in tomato seedlings. <i>Scientific Reports</i> , 2019, 9, 19788.	3.3	60
20	Complete genome sequencing and analysis of endophytic <i>Sphingomonas</i> sp. LK11 and its potential in plant growth. <i>3 Biotech</i> , 2018, 8, 389.	2.2	58
21	Fungal endophyte <i>Penicillium janthinellum</i> LK5 can reduce cadmium toxicity in <i>Solanum lycopersicum</i> (Sitiens and Rhe). <i>Biology and Fertility of Soils</i> , 2014, 50, 75-85.	4.3	57
22	Silicon-induced thermotolerance in <i>Solanum lycopersicum</i> L. via activation of antioxidant system, heat shock proteins, and endogenous phytohormones. <i>BMC Plant Biology</i> , 2020, 20, 248.	3.6	56
23	Silicon and Gibberellins: Synergistic Function in Harnessing ABA Signaling and Heat Stress Tolerance in Date Palm (<i>Phoenix dactylifera</i> L.). <i>Plants</i> , 2020, 9, 620.	3.5	54
24	Potential therapeutic natural products against Alzheimer's disease with Reference of Acetylcholinesterase. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111609.	5.6	54
25	Anti-nociceptive and Anti-inflammatory Activities of Asparacosin A Involve Selective Cyclooxygenase 2 and Inflammatory Cytokines Inhibition: An in-vitro, in-vivo, and in-silico Approach. <i>Frontiers in Immunology</i> , 2019, 10, 581.	4.8	53
26	Isolation and Bioactivities of the Flavonoids Morin and Morin-3-O- β -D-glucopyranoside from <i>Acridocarpus orientalis</i> A Wild Arabian Medicinal Plant. <i>Molecules</i> , 2014, 19, 17763-17772.	3.8	49
27	Homopiperazine-rhodamine B adducts of triterpenic acids are strong mitocans. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 869-879.	5.5	49
28	Gene Loss and Evolution of the Plastome. <i>Genes</i> , 2020, 11, 1133.	2.4	48
29	The dichotomy of nanotechnology as the cutting edge of agriculture: Nano-farming as an asset versus nanotoxicity. <i>Chemosphere</i> , 2022, 288, 132533.	8.2	48
30	Therapeutic promise of carotenoids as antioxidants and anti-inflammatory agents in neurodegenerative disorders. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112610.	5.6	47
31	New β -Glucosidase inhibitors from the resins of <i>Boswellia</i> species with structure-activity and molecular docking studies. <i>Bioorganic Chemistry</i> , 2018, 79, 27-33.	4.1	46
32	β -Glucosidase Inhibition and Molecular Docking Studies of Natural Brominated Metabolites from Marine Macro Brown Alga <i>Dictyopteris hoytii</i> . <i>Marine Drugs</i> , 2019, 17, 666.	4.6	46
33	Chemical, molecular and structural studies of <i>Boswellia</i> species: β -Boswellic Aldehyde and 3-epi-11 β -Dihydroxy BA as precursors in biosynthesis of boswellic acids. <i>PLoS ONE</i> , 2018, 13, e0198666.	2.5	44
34	Endophytes <i>Aspergillus caespitosus</i> LK12 and <i>Phoma</i> sp. LK13 of <i>Moringa peregrina</i> produce gibberellins and improve rice plant growth. <i>Journal of Plant Interactions</i> , 2014, 9, 731-737.	2.1	43
35	Rifampicin conjugated silver nanoparticles: a new arena for development of antibiofilm potential against methicillin resistant <i>Staphylococcus aureus</i> and <i>Klebsiella pneumoniae</i> . <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3983-3993.	6.7	43
36	Synthesis, biological activities, and molecular docking studies of 2-mercaptobenzimidazole based derivatives. <i>Bioorganic Chemistry</i> , 2018, 80, 472-479.	4.1	41

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37	Synthesis and characterization of new thiosemicarbazones, as potent urease inhibitors: In vitro and in silico studies. <i>Bioorganic Chemistry</i> , 2019, 87, 155-162.	4.1	41
38	Distribution of the anti-inflammatory and anti-depressant compounds: Incensole and incensole acetate in genus <i>Boswellia</i> . <i>Phytochemistry</i> , 2019, 161, 28-40.	2.9	39
39	Rhizosphere Microbiome of Arid Land Medicinal Plants and Extra Cellular Enzymes Contribute to Their Abundance. <i>Microorganisms</i> , 2020, 8, 213.	3.6	37
40	Two Green Micellar HPLC and Mathematically Assisted UV Spectroscopic Methods for the Simultaneous Determination of Molnupiravir and Favipiravir as a Novel Combined COVID-19 Antiviral Regimen. <i>Molecules</i> , 2022, 27, 2330.	3.8	35
41	<p>Apoptotic and antimetastatic activities of betulin isolated from Quercus incana against non-small cell lung cancer cells</p>. <i>Cancer Management and Research</i> , 2019, Volume 11, 1667-1683.	1.9	34
42	Expanded inverted repeat region with large scale inversion in the first complete plastid genome sequence of <i>Plantago ovata</i> . <i>Scientific Reports</i> , 2020, 10, 3881.	3.3	34
43	Green synthesis and biomedical applications of silver and gold nanoparticles functionalized with methanolic extract of <i>Mentha longifolia</i>. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2021, 49, 194-203.	2.8	34
44	Platanic acid: A new scaffold for the synthesis of cytotoxic agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 259-265.	5.5	33
45	Ethylenediamine Derived Carboxamides of Betulinic and Ursolic Acid as Potential Cytotoxic Agents. <i>Molecules</i> , 2018, 23, 2558.	3.8	33
46	Detection and estimation of Super premium 95 gasoline adulteration with Premium 91 gasoline using new NIR spectroscopy combined with multivariate methods. <i>Fuel</i> , 2017, 197, 388-396.	6.4	31
47	First complete chloroplast genomics and comparative phylogenetic analysis of <i>Commiphora gileadensis</i> and <i>C. foliacea</i> : Myrrh producing trees. <i>PLoS ONE</i> , 2019, 14, e0208511.	2.5	31
48	Exploring biological efficacy of coumarin clubbed thiazolo[3,2- <i>b</i>][1,2,4]triazoles as efficient inhibitors of urease: A biochemical and in silico approach. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 345-354.	7.5	31
49	Design of a novel multiple epitope-based vaccine: An immunoinformatics approach to combat SARS-CoV-2 strains. <i>Journal of Infection and Public Health</i> , 2021, 14, 938-946.	4.1	31
50	Recent Advances in Electrochemical Sensing of Hydrogen Peroxide (H ₂ O ₂) Released from Cancer Cells. <i>Nanomaterials</i> , 2022, 12, 1475.	4.1	31
51	Endophytic <i>Aureobasidium pullulans</i> BSS6 assisted developments in phytoremediation potentials of <i>Cucumis sativus</i> under Cd and Pb stress. <i>Journal of Plant Interactions</i> , 2019, 14, 303-313.	2.1	30
52	Recent advances in combinatorial cancer therapy via multifunctionalized gold nanoparticles. <i>Nanomedicine</i> , 2020, 15, 1221-1237.	3.3	30
53	Utilization of the common functional groups in bioactive molecules: Exploring dual inhibitory potential and computational analysis of keto esters against α -glucosidase and carbonic anhydrase-II enzymes. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 233-244.	7.5	30
54	Genistein as a regulator of signaling pathways and microRNAs in different types of cancers. <i>Cancer Cell International</i> , 2021, 21, 388.	4.1	30

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55	Bio-Oriented Synthesis of Novel (S)-Flurbiprofen Clubbed Hydrazone Schiffâ€™s Bases for Diabetic Management: In Vitro and In Silico Studies. <i>Pharmaceuticals</i> , 2022, 15, 672.	3.8	30
56	Analgesic effects of crude extracts and fractions of Omani frankincense obtained from traditional medicinal plant <i>Boswellia sacra</i> on animal models. <i>Asian Pacific Journal of Tropical Medicine</i> , 2014, 7, S485-S490.	0.8	29
57	Triterpenic Acids as Non-Competitive α -Glucosidase Inhibitors from <i>Boswellia elongata</i> with Structure-Activity Relationship: In Vitro and In Silico Studies. <i>Biomolecules</i> , 2020, 10, 751.	4.0	29
58	Therapeutic Potential of Neoechinulins and Their Derivatives: An Overview of the Molecular Mechanisms Behind Pharmacological Activities. <i>Frontiers in Nutrition</i> , 2021, 8, 664197.	3.7	29
59	Regulations of essential amino acids and proteomics of bacterial endophytes <i>Sphingomonas sp.</i> during cadmium uptake. <i>Environmental Toxicology</i> , 2016, 31, 887-896.	4.0	28
60	Developing new hybrid scaffold for urease inhibition based on carbazole-chalcone conjugates: Synthesis, assessment of therapeutic potential and computational docking analysis. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 115123.	3.0	28
61	Stigmasterol can be new steroidal drug for neurological disorders: Evidence of the GABAergic mechanism via receptor modulation. <i>Phytomedicine</i> , 2021, 90, 153646.	5.3	28
62	Decrypting the potential role of α -lipoic acid in Alzheimer's disease. <i>Life Sciences</i> , 2021, 284, 119899.	4.3	28
63	An Electrostatically Enhanced Phenol as a Simple and Efficient Bifunctional Organocatalyst for Carbon Dioxide Fixation. <i>ChemSusChem</i> , 2018, 11, 4262-4268.	6.8	27
64	Incensfuran: isolation, X-ray crystal structure and absolute configuration by means of chiroptical studies in solution and solid state. <i>RSC Advances</i> , 2017, 7, 42357-42362.	3.6	26
65	Synthesis of novel (R)-4-fluorophenyl-1H-1,2,3-triazoles: A new class of α -glucosidase inhibitors. <i>Bioorganic Chemistry</i> , 2019, 91, 103182.	4.1	26
66	Delineation of Neuroprotective Effects and Possible Benefits of Antioxidants Therapy for the Treatment of Alzheimerâ€™s Diseases by Targeting Mitochondrial-Derived Reactive Oxygen Species: Bench to Bedside. <i>Molecular Neurobiology</i> , 2022, 59, 657-680.	4.0	26
67	Fast detection and quantification of pork meat in other meats by reflectance FT-NIR spectroscopy and multivariate analysis. <i>Meat Science</i> , 2020, 163, 108084.	5.5	25
68	Application of NIRS coupled with PLS regression as a rapid, non-destructive alternative method for quantification of KBA in <i>Boswellia sacra</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 184, 277-285.	3.9	24
69	Attenuation of nociceptive and paclitaxel-induced neuropathic pain by targeting inflammatory, CGRP and substance P signaling using 3-Hydroxyflavone. <i>Neurochemistry International</i> , 2021, 144, 104981.	3.8	24
70	The Footprint of Kynurenine Pathway in Neurodegeneration: Janus-Faced Role in Parkinsonâ€™s Disorder and Therapeutic Implications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6737.	4.1	24
71	A Literature-Based Update on <i>Benincasa hispida</i> (Thunb.) Cogn.: Traditional Uses, Nutraceutical, and Phytopharmacological Profiles. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	4.0	24
72	Exploring the Role of Ubiquitinâ€™-Proteasome System in Parkinson's Disease. <i>Molecular Neurobiology</i> , 2022, 59, 4257-4273.	4.0	24

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73	FT-NIRS coupled with chemometric methods as a rapid alternative tool for the detection & quantification of cow milk adulteration in camel milk samples. <i>Vibrational Spectroscopy</i> , 2017, 92, 245-250.	2.2	23
74	The effect of thermal treatment on the enhancement of detection of adulteration in extra virgin olive oils by synchronous fluorescence spectroscopy and chemometric analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 161, 83-87.	3.9	22
75	Genomic and evolutionary aspects of chloroplast tRNA in monocot plants. <i>BMC Plant Biology</i> , 2019, 19, 39.	3.6	22
76	Sodium, Potassium, and Lithium Complexes of Phenanthroline and Diclofenac: First Report on Anticancer Studies. <i>ACS Omega</i> , 2019, 4, 21559-21566.	3.5	22
77	Synthesis, characterization and molecular docking of some novel hydrazonothiazolines as urease inhibitors. <i>Bioorganic Chemistry</i> , 2020, 94, 103404.	4.1	22
78	Rational Design of Novel Inhibitors of α -Glucosidase: An Application of Quantitative Structure Activity Relationship and Structure-Based Virtual Screening. <i>Pharmaceuticals</i> , 2021, 14, 482.	3.8	22
79	Marine peptides in breast cancer: Therapeutic and mechanistic understanding. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112038.	5.6	22
80	New amino acid clubbed Schiff bases inhibit carbonic anhydrase II, α -glucosidase, and urease enzymes: in silico and in vitro. <i>Medicinal Chemistry Research</i> , 2021, 30, 712-728.	2.4	22
81	Unraveling the Chloroplast Genomes of Two <i>Prosopis</i> Species to Identify Its Genomic Information, Comparative Analyses and Phylogenetic Relationship. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3280.	4.1	21
82	In Silico Prediction of Novel Inhibitors of SARS-CoV-2 Main Protease through Structure-Based Virtual Screening and Molecular Dynamic Simulation. <i>Pharmaceuticals</i> , 2021, 14, 896.	3.8	21
83	Interweaving epilepsy and neurodegeneration: Vitamin E as a treatment approach. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112146.	5.6	21
84	Synthesis of Spiro- α -lactam-pyrroloquinolines as Fused Heterocyclic Scaffolds through Post-transformation Reactions. <i>Journal of Organic Chemistry</i> , 2020, 85, 13141-13152.	3.2	20
85	Antiproliferative and Carbonic Anhydrase II Inhibitory Potential of Chemical Constituents from <i>Lycium shawii</i> and <i>Aloe vera</i> : Evidence from In Silico Target Fishing and In Vitro Testing. <i>Pharmaceuticals</i> , 2020, 13, 94.	3.8	20
86	Green Stability Indicating Organic Solvent-Free HPLC Determination of Remdesivir in Substances and Pharmaceutical Dosage Forms. <i>Separations</i> , 2021, 8, 243.	2.4	20
87	The First Chloroplast Genome Sequence of <i>Boswellia sacra</i> , a Resin-Producing Plant in Oman. <i>PLoS ONE</i> , 2017, 12, e0169794.	2.5	19
88	A competitive nature-derived multilayered scaffold based on chitosan and alginate, for full-thickness wound healing. <i>Carbohydrate Polymers</i> , 2021, 262, 117921.	10.2	19
89	Exploring the role of cathepsin in rheumatoid arthritis. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 402-410.	3.8	19
90	N-substituted noscapine derivatives as new antiprotozoal agents: Synthesis, antiparasitic activity and molecular docking study. <i>Bioorganic Chemistry</i> , 2019, 91, 103116.	4.1	18

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91	Exploring the Role of Autophagy Dysfunction in Neurodegenerative Disorders. <i>Molecular Neurobiology</i> , 2021, 58, 4886-4905.	4.0	18
92	Potential of flavonoids as anti-Alzheimer's agents: bench to bedside. <i>Environmental Science and Pollution Research</i> , 2022, 29, 26063-26077.	5.3	18
93	GC-MS Analysis and Biomedical Therapy of Oil from n-Hexane Fraction of <i>Scutellaria edelbergii</i> Rech. f.: In Vitro, In Vivo, and In Silico Approach. <i>Molecules</i> , 2021, 26, 7676.	3.8	18
94	Thermal oxidation process accelerates degradation of the olive oil mixed with sunflower oil and enables its discrimination using synchronous fluorescence spectroscopy and chemometric analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 143, 298-303.	3.9	17
95	5- epi -Incensole: synthesis, X-ray crystal structure and absolute configuration by means of ECD and VCD studies in solution and solid state. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 829-833.	1.8	17
96	Quantification of AKBA in <i>Boswellia sacra</i> Using NIRS Coupled with PLSR as an Alternative Method and Cross-Validation by HPLC. <i>Phytochemical Analysis</i> , 2018, 29, 137-143.	2.4	17
97	Robust therapeutic potential of carbazole-triazine hybrids as a new class of urease inhibitors: A distinctive combination of nitrogen-containing heterocycles. <i>Bioorganic Chemistry</i> , 2020, 95, 103479.	4.1	17
98	Quinazolinones as Competitive Inhibitors of Carbonic Anhydrase-II (Human and Bovine): Synthesis, in-vitro, in-silico, Selectivity, and Kinetics Studies. <i>Frontiers in Chemistry</i> , 2020, 8, 598095.	3.6	17
99	<i>Lasia spinosa</i> Chemical Composition and Therapeutic Potential: A Literature-Based Review. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-12.	4.0	17
100	Discovering Novel <i>Alternaria solani</i> Succinate Dehydrogenase Inhibitors by in Silico Modeling and Virtual Screening Strategies to Combat Early Blight. <i>Frontiers in Chemistry</i> , 2017, 5, 100.	3.6	16
101	Platanic acid-derived methyl 20-amino-30-norlupan-28-oates are potent cytotoxic agents acting by apoptosis. <i>Medicinal Chemistry Research</i> , 2018, 27, 1757-1769.	2.4	16
102	Slow magnetic relaxation in Dy2 and Dy4 complexes of a versatile, trifunctional polydentate N,O-ligand. <i>Dalton Transactions</i> , 2019, 48, 14269-14278.	3.3	16
103	Photocatalytic Decolorization and Biocidal Applications of Nonmetal Doped TiO2: Isotherm, Kinetic Modeling and In Silico Molecular Docking Studies. <i>Molecules</i> , 2020, 25, 4468.	3.8	16
104	New derivatives of 11-keto- β -boswellic acid (KBA) induce apoptosis in breast and prostate cancers cells. <i>Natural Product Research</i> , 2021, 35, 707-716.	1.8	16
105	Molecular epidemiology of COVID-19 in Oman: A molecular and surveillance study for the early transmission of COVID-19 in the country. <i>International Journal of Infectious Diseases</i> , 2021, 104, 139-149.	3.3	16
106	Bioinformatics Accelerates the Major Tetrad: A Real Boost for the Pharmaceutical Industry. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6184.	4.1	16
107	Squaramide's Quaternary Ammonium Salt as an Effective Binary Organocatalytic System for Oxazolidinone Synthesis from Isocyanates and Epoxides. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1881-1895.	2.4	16
108	Preparation, Characterization, and Pharmacological Investigation of Withaferin-A Loaded Nanosponges for Cancer Therapy; In Vitro, In Vivo and Molecular Docking Studies. <i>Molecules</i> , 2021, 26, 6990.	3.8	16

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109	Elucidating the role of hypoxia-inducible factor in rheumatoid arthritis. <i>Inflammopharmacology</i> , 2022, 30, 737-748.	3.9	16
110	Determination of sucrose in date fruits (<i>Phoenix dactylifera</i> L.) growing in the Sultanate of Oman by NIR spectroscopy and multivariate calibration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 170-174.	3.9	15
111	New design of experiment combined with UV-Vis spectroscopy for extraction and estimation of polyphenols from Basil seeds, Red seeds, Sesame seeds and Ajwan seeds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 178, 14-18.	3.9	15
112	Quantification of Incensole in Three <i>Boswellia</i> Species by NIR Spectroscopy Coupled with PLSR and Cross-Validation by HPLC. <i>Phytochemical Analysis</i> , 2018, 29, 300-307.	2.4	15
113	Regulation of endogenous phytohormones and essential metabolites in frankincense-producing <i>Boswellia sacra</i> under wounding stress. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	15
114	First chloroplast genomics study of <i>Phoenix dactylifera</i> (var. Naghal and Khanezi): A comparative analysis. <i>PLoS ONE</i> , 2018, 13, e0200104.	2.5	15
115	Gold nanotubes and nanorings: promising candidates for multidisciplinary fields. <i>International Materials Reviews</i> , 2019, 64, 478-512.	19.3	15
116	<i>Heliotropium indicum</i> L.: From Farm to a Source of Bioactive Compounds with Therapeutic Activity. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-21.	1.2	15
117	Biomedical Applications of <i>Scutellaria edelbergii</i> Rech. f.: In Vitro and In Vivo Approach. <i>Molecules</i> , 2021, 26, 3740.	3.8	15
118	Vaccine Development against COVID-19: Study from Pre-Clinical Phases to Clinical Trials and Global Use. <i>Vaccines</i> , 2021, 9, 836.	4.4	15
119	Deciphering the role of nanoparticles for management of bacterial meningitis: an update on recent studies. <i>Environmental Science and Pollution Research</i> , 2021, 28, 60459-60476.	5.3	15
120	Search for safer and potent natural inhibitors of Parkinson's disease. <i>Neurochemistry International</i> , 2021, 149, 105135.	3.8	15
121	Phytochemical and pharmacological uses of medicinal plants to treat cancer: A case study from Khyber Pakhtunkhwa, North Pakistan. <i>Journal of Ethnopharmacology</i> , 2021, 281, 114437.	4.1	15
122	Therapeutic potential of dopamine agonists in the treatment of type 2 diabetes mellitus. <i>Environmental Science and Pollution Research</i> , 2022, 29, 46385-46404.	5.3	15
123	Development and Characterization of Chitosan and Porphyran Based Composite Edible Films Containing Ginger Essential Oil. <i>Polymers</i> , 2022, 14, 1782.	4.5	15
124	11-Ethoxyboswellic Acid and Nizwanone, a New Boswellic Acid Derivative and a New Triterpene, Respectively, from <i>Boswellia sacra</i> . <i>Chemistry and Biodiversity</i> , 2013, 10, 1501-1506.	2.1	14
125	Application of reflectance spectroscopies (FTIR-ATR & FT-NIR) coupled with multivariate methods for robust in vivo detection of begomovirus infection in papaya leaves. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 198, 27-32.	3.9	14
126	Application of NIR Spectroscopy Coupled with PLS Regression for Quantification of Total Polyphenol Contents from the Fruit and Aerial Parts of <i>Citrullus colocynthis</i> . <i>Phytochemical Analysis</i> , 2018, 29, 16-22.	2.4	14

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127	Synthesis and Cytotoxicity Evaluation of DOTA-Conjugates of Ursolic Acid. <i>Molecules</i> , 2019, 24, 2254.	3.8	14
128	The cytotoxicity of oleanane derived aminocarboxamides depends on their aminoalkyl substituents. <i>Steroids</i> , 2019, 149, 108422.	1.8	14
129	Superhydrophobic nanocarbon-based membrane with antibacterial characteristics. <i>Biotechnology Progress</i> , 2020, 36, e2963.	2.6	14
130	New <sc>multitarget</sc> directed <sc>benzimidazole-2-thiol</sc>-based</sc> heterocycles as prospective <sc>anti-radical</sc> and <sc>anti-Alzheimer</sc>'s agents. <i>Drug Development Research</i> , 2021, 82, 207-216.	2.9	14
131	Synthesis of benzimidazole based hydrazones as non-sugar based α -glucosidase inhibitors: Structure activity relation and molecular docking. <i>Drug Development Research</i> , 2021, 82, 1033-1043.	2.9	14
132	Elucidating the Neuroprotective Role of PPARs in Parkinson's Disease: A Neoteric and Prospective Target. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10161.	4.1	14
133	Synthesis, Characterization, and Photocatalytic, Bactericidal, and Molecular Docking Analysis of Cu ²⁺ /Fe/TiO ₂ Photocatalysts: Influence of Metallic Impurities and Calcination Temperature on Charge Recombination. <i>ACS Omega</i> , 2021, 6, 26108-26118.	3.5	14
134	Space Breeding: The Next-Generation Crops. <i>Frontiers in Plant Science</i> , 2021, 12, 771985.	3.6	14
135	Identification of α -Glucosidase Inhibitors from <i>Scutellaria edelbergii</i> : ESI-LC-MS and Computational Approach. <i>Molecules</i> , 2022, 27, 1322.	3.8	14
136	Stereoselective Syntheses of Aza, Amino and Imino Sugar Derivatives by Hydroboration of 3,6-Dihydro-1,2,4-oxazines as Key Reaction. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3210-3219.	2.4	13
137	Natural urease inhibitors from <i>Aloe vera</i> resin and <i>Lycium shawii</i> and their structural-activity relationship and molecular docking study. <i>Bioorganic Chemistry</i> , 2019, 88, 102955.	4.1	13
138	Robust Fourier transformed infrared spectroscopy coupled with multivariate methods for detection and quantification of urea adulteration in fresh milk samples. <i>Food Science and Nutrition</i> , 2020, 8, 5249-5258.	3.4	13
139	An Aminopyridinium Ionic Liquid: A Simple and Effective Bifunctional Organocatalyst for Carbonate Synthesis from Carbon Dioxide and Epoxides. <i>ChemPlusChem</i> , 2020, 85, 1587-1595.	2.8	13
140	Fruitful decade of fungal metabolites as anti-diabetic agents from 2010 to 2019: emphasis on α -glucosidase inhibitors. <i>Phytochemistry Reviews</i> , 2021, 20, 145-179.	6.5	13
141	Phytochemicals as Potential Epidrugs in Type 2 Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , 2021, 12, 656978.	3.5	13
142	Synthesis of New 1H-1,2,3-Triazole Analogs in Aqueous Medium via α -Click Chemistry: A Novel Class of Potential Carbonic Anhydrase-II Inhibitors. <i>Frontiers in Chemistry</i> , 2021, 9, 642614.	3.6	13
143	<i>Peganum</i> spp.: A Comprehensive Review on Bioactivities and Health-Enhancing Effects and Their Potential for the Formulation of Functional Foods and Pharmaceutical Drugs. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-20.	4.0	13
144	Targeting therapeutic approaches and highlighting the potential role of nanotechnology in atopic dermatitis. <i>Environmental Science and Pollution Research</i> , 2022, 29, 32605-32630.	5.3	13

#	ARTICLE	IF	CITATIONS
145	Identification and Characterization of the Caspase-Mediated Apoptotic Activity of <i>Teucrium mascatense</i> and an Isolated Compound in Human Cancer Cells. <i>Molecules</i> , 2019, 24, 977.	3.8	12
146	Genome Subtraction and Comparison for the Identification of Novel Drug Targets against <i>Mycobacterium avium</i> subsp. <i>hominissuis</i> . <i>Pathogens</i> , 2020, 9, 368.	2.8	12
147	Diterpenoids and Triterpenoids From Frankincense Are Excellent Anti-psoriatic Agents: An in silico Approach. <i>Frontiers in Chemistry</i> , 2020, 8, 486.	3.6	12
148	Comparative Chloroplast Genomics of Endangered <i>Euphorbia</i> Species: Insights into Hotspot Divergence, Repetitive Sequence Variation, and Phylogeny. <i>Plants</i> , 2020, 9, 199.	3.5	12
149	Crosstalk between GSK-3 β -actuated molecular cascades and myocardial physiology. <i>Heart Failure Reviews</i> , 2021, 26, 1495-1504.	3.9	12
150	Structure-Based Virtual Screening of Tumor Necrosis Factor- α Inhibitors by Cheminformatics Approaches and Bio-Molecular Simulation. <i>Biomolecules</i> , 2021, 11, 329.	4.0	12
151	New synthetic 1H-1,2,3-triazole derivatives of 3-O-acetyl- β -boswellic acid and 3-O-acetyl-11-keto- β -boswellic acid from <i>Boswellia sacra</i> inhibit carbonic anhydrase II in vitro. <i>Medicinal Chemistry Research</i> , 2021, 30, 1185-1198.	2.4	12
152	Mechanistic insights into the role of B cells in rheumatoid arthritis. <i>International Immunopharmacology</i> , 2021, 99, 108078.	3.8	12
153	Complete chloroplast genomes of medicinally important <i>Teucrium</i> species and comparative analyses with related species from Lamiaceae. <i>PeerJ</i> , 2019, 7, e7260.	2.0	12
154	The 3D Genome: From Structure to Function. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11585.	4.1	12
155	Pathological Features and Neuroinflammatory Mechanisms of SARS-CoV-2 in the Brain and Potential Therapeutic Approaches. <i>Biomolecules</i> , 2022, 12, 971.	4.0	12
156	Fluorescence spectroscopy-partial least square regression method for the quantification of quercetin in <i>Euphorbia masirahensis</i> . <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 121, 355-359.	5.0	11
157	Secondary metabolites from the resins of <i>Aloe vera</i> and <i>Commiphora mukul</i> mitigate lipid peroxidation. <i>Acta Pharmaceutica</i> , 2019, 69, 433-441.	2.0	11
158	Complete Chloroplast Genomes of <i>Vachellia nilotica</i> and <i>Senegalia senegal</i> : Comparative Genomics and Phylogenomic Placement in a New Generic System. <i>PLoS ONE</i> , 2019, 14, e0225469.	2.5	11
159	Synthesis, in-vitro antiprotozoal activity and molecular docking study of isothiocyanate derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115185.	3.0	11
160	VD3 and LXR agonist (T0901317) combination demonstrated greater potency in inhibiting cholesterol accumulation and inducing apoptosis via ABCA1-CHOP-BCL-2 cascade in MCF-7 breast cancer cells. <i>Molecular Biology Reports</i> , 2020, 47, 7771-7782.	2.3	11
161	Mangrove tree (<i>Avicennia marina</i>): insight into chloroplast genome evolutionary divergence and its comparison with related species from family Acanthaceae. <i>Scientific Reports</i> , 2021, 11, 3586.	3.3	11
162	The Presence of a Cyclohexyldiamine Moiety Confers Cytotoxicity to Pentacyclic Triterpenoids. <i>Molecules</i> , 2021, 26, 2102.	3.8	11

#	ARTICLE	IF	CITATIONS
163	Cytotoxic Dehydroabietylamine Derived Compounds. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 20, 1756-1767.	1.7	11
164	Emergence of microneedles as a potential therapeutics in diabetes mellitus. <i>Environmental Science and Pollution Research</i> , 2022, 29, 3302-3322.	5.3	11
165	Anti-diabetic potential of $\hat{1}^2$ -boswellic acid and 11-keto- $\hat{1}^2$ -boswellic acid: Mechanistic insights from computational and biochemical approaches. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112669.	5.6	11
166	Onychomycosis Caused by <i>Fusarium</i> Species. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 360.	3.5	11
167	The 7-Hydroxyflavone attenuates chemotherapy-induced neuropathic pain by targeting inflammatory pathway. <i>International Immunopharmacology</i> , 2022, 107, 108674.	3.8	11
168	Comparative Metabolic Pathways Analysis and Subtractive Genomics Profiling to Prioritize Potential Drug Targets Against <i>Streptococcus pneumoniae</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 796363.	3.5	11
169	Phytochemical Profiling and Bio-Potentiality of Genus <i>Scutellaria</i> : Biomedical Approach. <i>Biomolecules</i> , 2022, 12, 936.	4.0	11
170	Synthesis of sensitive novel dual Signaling pyridopyrimidine-based fluorescent chemosensors for anions determination. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 151, 107267.	5.0	10
171	Therapeutic potential of N-substituted thiosemicarbazones as new urease inhibitors: Biochemical and in silico approach. <i>Bioorganic Chemistry</i> , 2021, 109, 104691.	4.1	10
172	Role of macrophage autophagy in atherosclerosis: modulation by bioactive compounds. <i>Biochemical Journal</i> , 2021, 478, 1359-1375.	3.7	10
173	Elucidating the Multi-Targeted Role of Nutraceuticals: A Complementary Therapy to Starve Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4045.	4.1	10
174	Biosynthetic diversity in triterpene cyclization within the <i>Boswellia</i> genus. <i>Phytochemistry</i> , 2021, 184, 112660.	2.9	10
175	Microwave-Assisted Electrostatically Enhanced Phenol-Catalyzed Synthesis of Oxazolidinones. <i>Journal of Organic Chemistry</i> , 2022, 87, 40-55.	3.2	10
176	Effect of Cadmium and Copper Exposure on Growth, Physio-Chemicals and Medicinal Properties of <i>Cajanus cajan</i> L. (Pigeon Pea). <i>Metabolites</i> , 2021, 11, 769.	2.9	10
177	Wet chemical development of CuO/GO nanocomposites: its augmented antimicrobial, antioxidant, and anticancerous activity. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 151.	3.6	10
178	Ajuganane: A New Phenolic Compound from <i>Ajuga bracteosa</i> . <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	9
179	A New Indole Alkaloid from <i>Cleome droserifolia</i> . <i>Helvetica Chimica Acta</i> , 2015, 98, 719-723.	1.6	9
180	Total polyphenols quantification in <i>Acridocarpus orientalis</i> and <i>Moringa peregrina</i> by using NIR spectroscopy coupled with PLS regression. <i>Chemical Data Collections</i> , 2018, 13-14, 104-112.	2.3	9

#	ARTICLE	IF	CITATIONS
181	2-O-(2-chlorobenzoyl) maslinic acid triggers apoptosis in A2780 human ovarian carcinoma cells. <i>European Journal of Medicinal Chemistry</i> , 2019, 180, 457-464.	5.5	9
182	Evidence for the involvement of a GABAergic mechanism in the effectiveness of natural and synthetically modified incensole derivatives in neuropharmacological disorders: A computational and pharmacological approach. <i>Phytochemistry</i> , 2019, 163, 58-74.	2.9	9
183	Complexes of N- and O-Donor Ligands as Potential Urease Inhibitors. <i>ACS Omega</i> , 2020, 5, 10200-10206.	3.5	9
184	Organic extracts from <i>Cleome droserifolia</i> exhibit effective caspase-dependent anticancer activity. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 74.	2.7	9
185	Chemical Constituents and Carbonic Anhydrase II Activity of Essential Oil of <i>Acridocarpus orientalis</i> A. Juss. in Comparison With Stem and Leaves. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2021, 24, 68-74.	1.9	9
186	Decoding first complete chloroplast genome of toothbrush tree (<i>Salvadora persica</i> L.): insight into genome evolution, sequence divergence and phylogenetic relationship within Brassicales. <i>BMC Genomics</i> , 2021, 22, 312.	2.8	9
187	<i>Chrysopogon zizanioides</i> – a review on its pharmacognosy, chemical composition and pharmacological activities. <i>Environmental Science and Pollution Research</i> , 2021, 28, 44667-44692.	5.3	9
188	Targeting Endothelin in Alzheimer's Disease: A Promising Therapeutic Approach. <i>BioMed Research International</i> , 2021, 2021, 1-13.	1.9	9
189	Cembranoids from <i>Boswellia</i> species. <i>Phytochemistry</i> , 2021, 191, 112897.	2.9	9
190	Commikuanoids A-C: New cycloartane triterpenoids with exploration of carbonic anhydrase-II inhibition from the resins of <i>Commiphora kua</i> by in vitro and in silico molecular docking. <i>FÄ-toterapÄ-Äç</i> , 2022, 157, 105125.	2.2	9
191	Uncovering the first complete plastome genomics, comparative analyses, and phylogenetic dispositions of endemic medicinal plant <i>Ziziphus hajarensis</i> (Rhamnaceae). <i>BMC Genomics</i> , 2022, 23, 83.	2.8	9
192	Targeting natural products against SARS-CoV-2. <i>Environmental Science and Pollution Research</i> , 2022, 29, 42404-42432.	5.3	9
193	New robust sensitive fluorescence spectroscopy coupled with PLSR for estimation of quercetin in <i>Ziziphus mucronata</i> and <i>Ziziphus sativa</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 194, 152-157.	3.9	8
194	Endogenous phytohormones of frankincense producing <i>Boswellia sacra</i> tree populations. <i>PLoS ONE</i> , 2018, 13, e0207910.	2.5	8
195	Differential Cytotoxic Potential of <i>Acridocarpus orientalis</i> Leaf and Stem Extracts with the Ability to Induce Multiple Cell Death Pathways. <i>Molecules</i> , 2019, 24, 3976.	3.8	8
196	Lophenol and lathosterol from resin of <i>Commiphora kua</i> possess hepatoprotective effects in vivo. <i>Journal of Ethnopharmacology</i> , 2020, 252, 112558.	4.1	8
197	FT-NIRS Coupled with PLS Regression as a Complement to HPLC Routine Analysis of Caffeine in Tea Samples. <i>Foods</i> , 2020, 9, 827.	4.3	8
198	Virtual 2-D map of the fungal proteome. <i>Scientific Reports</i> , 2021, 11, 6676.	3.3	8

#	ARTICLE	IF	CITATIONS
199	Uncurtaining the pivotal role of ABC transporters in diabetes mellitus. <i>Environmental Science and Pollution Research</i> , 2021, 28, 41533-41551.	5.3	8
200	A spotlight on underlying the mechanism of AMPK in diabetes complications. <i>Inflammation Research</i> , 2021, 70, 939-957.	4.0	8
201	Synthesis and antimicrobial activity of 1,2,3-triazole and carboxylate analogues of metronidazole. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2377-2384.	2.2	8
202	Attenuation of spatial memory in 5xFAD mice by targeting cholinesterases, oxidative stress and inflammatory signaling using 2-(hydroxyl-(2-nitrophenyl)methyl)cyclopentanone. <i>International Immunopharmacology</i> , 2021, 100, 108083.	3.8	8
203	Discovering novel inhibitors of P2Y12 receptor using structure-based virtual screening, molecular dynamics simulation and MMPBSA approaches. <i>Computers in Biology and Medicine</i> , 2022, 147, 105743.	7.0	8
204	Identification of novel prolyl oligopeptidase inhibitors from resin of <i>Boswellia papyrifera</i> (Del.) Hochst. and their mechanism: Virtual and biochemical studies. <i>International Journal of Biological Macromolecules</i> , 2022, 213, 751-767.	7.5	8
205	Two pyrolysate products from Omani frankincense smoke: First evidence of thermal aromatization of boswellic acids. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 110, 430-434.	5.5	7
206	A New Cyclopropyl-Triterpenoid from <i>Ochradenus arabicus</i> . <i>Helvetica Chimica Acta</i> , 2015, 98, 1240-1244.	1.6	7
207	Selective Synthesis, Characterization of Isomerically Pure Arylated Benzo[1,2-b:6,5-b']dithiophenes by Regioselective Suzuki-Miyaura Reaction and Evaluation of the Catalytic Properties of Nickel versus Palladium Complexes. <i>Synthesis</i> , 2017, 49, 557-564.	2.3	7
208	First reported chloroplast genome sequence of <i>Punica granatum</i> (cultivar Helow) from Jabal Al-Akhdar, Oman: phylogenetic comparative assortment with <i>Lagerstroemia</i> . <i>Genetica</i> , 2018, 146, 461-474.	1.1	7
209	Loading AKBA on surface of silver nanoparticles to improve their sedative-hypnotic and anti-inflammatory efficacies. <i>Nanomedicine</i> , 2019, 14, 2783-2798.	3.3	7
210	Copper (triazole-5-yl)methanamine complexes onto MCM-41: the synthesis of pyridine-containing pseudopeptides through the 6-endo-dig cyclization of 1,5-enynes. <i>RSC Advances</i> , 2020, 10, 10577-10583.	3.6	7
211	Alkali complexes of non-steroidal anti-inflammatory drugs inhibit lung and oral cancers <i>in vitro</i> . <i>New Journal of Chemistry</i> , 2021, 45, 45-52.	2.8	7
212	An engineered microfluidic blood-brain barrier model to evaluate the anti-metastatic activity of boswellic acid. <i>Biotechnology Journal</i> , 2021, 16, e2100044.	3.5	7
213	<i>Basidiobolus omanensis</i> sp. nov. Causing Angioinvasive Abdominal Basidiobolomycosis. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 653.	3.5	7
214	Bio-oriented synthesis of new sulphadiazine derivatives for urease inhibition and their pharmacokinetic analysis. <i>Scientific Reports</i> , 2021, 11, 18973.	3.3	7
215	New Carbonic Anhydrase-II Inhibitors from Marine Macro Brown Alga <i>Dictyopteris hoytii</i> Supported by In Silico Studies. <i>Molecules</i> , 2021, 26, 7074.	3.8	7
216	Unraveling the Genome Sequence of Plant Growth Promoting <i>Aspergillus niger</i> (CSR3) Provides Insight into the Synthesis of Secondary Metabolites and Its Comparative Genomics. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 107.	3.5	7

#	ARTICLE	IF	CITATIONS
217	Exploring the focal role of LRRK2 kinase in Parkinson's disease. <i>Environmental Science and Pollution Research</i> , 2022, 29, 32368-32382.	5.3	7
218	Circumstantial Insights into the Potential of Traditional Chinese Medicinal Plants as a Therapeutic Approach in Rheumatoid Arthritis. <i>Current Pharmaceutical Design</i> , 2022, 28, 2140-2149.	1.9	7
219	Synthesis, Bioactivity Assessment, and Molecular Docking of Non-sulfonamide Benzimidazole-Derived <i>N</i> -Acyldiazole Scaffolds as Carbonic Anhydrase-II Inhibitors. <i>ACS Omega</i> , 2022, 7, 705-715.	3.5	7
220	Silicon- and Boron-Induced Physio-Biochemical Alteration and Organic Acid Regulation Mitigates Aluminum Phytotoxicity in Date Palm Seedlings. <i>Antioxidants</i> , 2022, 11, 1063.	5.1	7
221	Enzymes Inhibition and Antioxidant Potential of Medicinal Plants Growing in Oman. <i>BioMed Research International</i> , 2022, 2022, 1-9.	1.9	7
222	Antiplasmodial activity of compounds from <i>Drypetes gerrardii</i> . <i>Chemistry of Natural Compounds</i> , 2012, 48, 339-340.	0.8	6
223	Oxindole-based chalcones: synthesis and their activity against glycation of proteins. <i>Medicinal Chemistry Research</i> , 2019, 28, 900-906.	2.4	6
224	Construction of anti-codon table of the plant kingdom and evolution of tRNA selenocysteine (tRNA ^{Sec}). <i>BMC Genomics</i> , 2020, 21, 804.	2.8	6
225	Synthesis of symmetrical bis-Schiff base-disulfide hybrids as highly effective anti-leishmanial agents. <i>Bioorganic Chemistry</i> , 2020, 99, 103819.	4.1	6
226	Spectroscopic and Molecular Methods to Differentiate Gender in Immature Date Palm (Phoenix) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	3.5	6
227	Exploring the therapeutic potential of omega-3 fatty acids in depression. <i>Environmental Science and Pollution Research</i> , 2021, 28, 43021-43034.	5.3	6
228	Exploring biologically active hybrid pharmacophore N-substituted hydrazine-carbothioamides for urease inhibition: In vitro and in silico approach. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 534-544.	7.5	6
229	Pertinence of nutriment for a stalwart body. <i>Environmental Science and Pollution Research</i> , 2021, 28, 54531-54550.	5.3	6
230	2-Nitro- and 4-fluorocinnamaldehyde based receptors as naked-eye chemosensors to potential molecular keypad lock. <i>Scientific Reports</i> , 2021, 11, 20847.	3.3	6
231	Chemical Composition and Biological Activities of Essential Oil from Aerial Parts of <i>Frankenia pulverulenta</i> L. and <i>Boerhavia elegans</i> Choisy from Northern Oman. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2021, 24, 1180-1191.	1.9	6
232	Exploring the Therapeutic Potential of Targeting Purinergic and Orexinergic Receptors in Alcoholic Neuropathy. <i>Neurotoxicity Research</i> , 2022, , 1.	2.7	6
233	Exploring the Role of Self-Nanoemulsifying Systems in Drug Delivery: Challenges, Issues, Applications and Recent Advances. <i>Current Drug Delivery</i> , 2023, 20, 1241-1261.	1.6	6
234	Nepetalates A and B: Two New Phthalate Derivatives from <i>Nepeta clarkei</i> . <i>Helvetica Chimica Acta</i> , 2011, 94, 2106-2110.	1.6	5

#	ARTICLE	IF	CITATIONS
235	Crystal structure, shape analysis and bioactivity of new Li ^I , Na ^I and Mg ^{II} complexes with 1,10-phenanthroline and 2-(3,4-dichlorophenyl)acetic acid. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 294-303.	0.5	5
236	Analysis of genomic tRNA revealed presence of novel genomic features in cyanobacterial tRNA. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 124-133.	3.8	5
237	Transcriptomic analysis of Dubas bug (<i>Ommatissus lybicus</i> Bergevin) infestation to Date Palm. <i>Scientific Reports</i> , 2020, 10, 11505.	3.3	5
238	Effect of organic solvents and acidic catalysts on biodiesel yields from primary sewage sludge, and characterization of fuel properties. <i>Biofuels</i> , 2021, 12, 405-413.	2.4	5
239	Bio-Potency and Molecular Docking Studies of Isolated Compounds from <i>Grewia optiva</i> J.R. Drumm. ex Burret. <i>Molecules</i> , 2021, 26, 2019.	3.8	5
240	Cyclopentanone Derivative Attenuates Memory Impairment by Inhibiting Amyloid Plaques Formation in the 5xFAD Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9559.	4.1	5
241	Applications of Adductomics in Chemically Induced Adverse Outcomes and Major Emphasis on DNA Adductomics: A Pathbreaking Tool in Biomedical Research. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10141.	4.1	5
242	Free fatty acid receptor 1: a ray of hope in the therapy of type 2 diabetes mellitus. <i>Inflammopharmacology</i> , 2021, 29, 1625-1639.	3.9	5
243	Synthesis of gemifloxacin conjugated silver nanoparticles, their amplified bacterial efficacy against human pathogen and their morphological study via TEM analysis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2021, 49, 661-671.	2.8	5
244	Molecular and Biochemical Pathways Encompassing Diabetes Mellitus and Dementia. <i>CNS and Neurological Disorders - Drug Targets</i> , 2022, 21, 542-556.	1.4	5
245	An update on pathophysiology and treatment of sports-mediated brain injury. <i>Environmental Science and Pollution Research</i> , 2022, 29, 16786-16798.	5.3	5
246	Validated Capillary Zone Electrophoresis Method for Impurity Profiling and Determination of Nil(3-OMe-Salophene). <i>Separations</i> , 2022, 9, 25.	2.4	5
247	Natural and Synthetic Agents Targeting Reactive Carbonyl Species against Metabolic Syndrome. <i>Molecules</i> , 2022, 27, 1583.	3.8	5
248	The Plastome Sequences of <i>Triticum sphaerococcum</i> (ABD) and <i>Triticum turgidum</i> subsp. <i>durum</i> (AB) Exhibit Evolutionary Changes, Structural Characterization, Comparative Analysis, Phylogenomics and Time Divergence. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2783.	4.1	5
249	Parthenolide reverses the epithelial to mesenchymal transition process in breast cancer by targeting TGFbeta1: In vitro and in silico studies. <i>Life Sciences</i> , 2022, 301, 120610.	4.3	5
250	Eupholaricanone, a potent Î±-glucosidase anthracene derivative from <i>Euphorbia larica</i> Boiss. <i>South African Journal of Botany</i> , 2022, 148, 88-92.	2.5	5
251	A waste valorization strategy for the synthesis of phenols from (hetero)arylboronic acids using pomegranate peel ash extract. <i>Green Chemistry Letters and Reviews</i> , 2022, 15, 426-435.	4.7	5
252	Synthesis, molecular docking, and pharmacological evaluation of halobenzodithiophene derivatives against alpha-glucosidase, urease, and free radical production. <i>Turkish Journal of Chemistry</i> , 2018, 42, 1113-1123.	1.2	4

#	ARTICLE	IF	CITATIONS
253	The first complete mitochondrial genome of wild soybean (<i>Glycine soja</i>). Mitochondrial DNA Part B: Resources, 2018, 3, 527-528.	0.4	4
254	New π -block complexes of 1,10-phenanthroline and 1,3-benzothiazole-2-thiolate inhibit urease in silico and in vitro. Applied Organometallic Chemistry, 2020, 34, e5842.	3.5	4
255	Secondary metabolites from <i>acridocarpus orientalis</i> inhibits 4T1 cells and promotes mesenchymal stem cells (MSCs) proliferation. Molecular Biology Reports, 2020, 47, 5421-5430.	2.3	4
256	Chemical Constituents of the Essential Oil of <i>Nepeta distans</i> . Chemistry of Natural Compounds, 2020, 56, 159-160.	0.8	4
257	Recent Advances in the Stereoselective Total Synthesis of Natural Pyranones Having Long Side Chains. Molecules, 2020, 25, 1905.	3.8	4
258	Structures, properties and applications of Cu(ii) complexes with tridentate donor ligands. Dalton Transactions, 2021, 50, 5099-5108.	3.3	4
259	Concise Synthesis of Both Enantiomers of Pilocarpine. Molecules, 2021, 26, 3676.	3.8	4
260	Synthesis of indole-substituted thiosemicarbazones as an aldose reductase inhibitor: an in vitro, selectivity and in silico study. Future Medicinal Chemistry, 2021, 13, 1185-1201.	2.3	4
261	Exploring the therapeutic promise of targeting Rho kinase in rheumatoid arthritis. Inflammopharmacology, 2021, 29, 1641-1651.	3.9	4
262	In Vitro Antifungal Susceptibility Profile of Miltefosine against a Collection of Azole and Echinocandins Resistant <i>Fusarium</i> Strains. Journal of Fungi (Basel, Switzerland), 2022, 8, 709.	3.5	4
263	Floccosic Acid, a New Triterpenic Acid from <i>Nepeta floccosa</i> . Helvetica Chimica Acta, 2014, 97, 556-560.	1.6	3
264	Near-Infrared Spectroscopy Coupled with Multivariate Methods for the Characterization of Ethanol Adulteration in Premium 91 Gasoline. Energy & Fuels, 2017, 31, 7591-7597.	5.1	3
265	Anti-proliferative potential of cyclotrapeptides from <i>Bacillus velezensis</i> RA5401 and their molecular docking on G-Protein-Coupled Receptors. Microbial Pathogenesis, 2018, 123, 419-425.	2.9	3
266	First complete mitochondrial genome of <i>Phoenix dactylifera</i> var. <i>Khanezi</i> . Mitochondrial DNA Part B: Resources, 2018, 3, 778-779.	0.4	3
267	Chemical Constituents of <i>Acridocarpus orientalis</i> and Their Chemotaxonomic Significance. Chemistry of Natural Compounds, 2019, 55, 586-588.	0.8	3
268	Application of fluorescence spectroscopy coupled with PLSR for the estimation of quercetin in four medicinal plants. Chemical Data Collections, 2019, 21, 100228.	2.3	3
269	Analysis of incensole acetate in <i>Boswellia</i> species by near infrared spectroscopy coupled with partial least squares regression and cross-validation by high-performance liquid chromatography. Journal of Near Infrared Spectroscopy, 2020, 28, 18-24.	1.5	3
270	Synthesis and Modeling Studies of Furoxan Coupled Spiro-Isoquinolino Piperidine Derivatives as NO Releasing PDE 5 Inhibitors. Biomedicines, 2020, 8, 121.	3.2	3

#	ARTICLE	IF	CITATIONS
271	In Silico Modeling of Crimean Congo Hemorrhagic Fever Virus Glycoprotein-N and Screening of Anti Viral Hits by Virtual Screening. International Journal of Peptide Research and Therapeutics, 2020, 26, 2675-2688.	1.9	3
272	Synthesis, characterization, geometric optimization and multi-target therapeutic evaluation of new homoleptic and heteroleptic Cd(II) carboxylates. Journal of Molecular Structure, 2020, 1212, 128088.	3.6	3
273	Nutraceutical, Antioxidant, Antimicrobial Properties of <i>Pyropia vietnamensis</i> (Tanaka et Pham-Hong) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	3
274	Brigatinib loaded poly(d,l-lactide-co-glycolide) nanoparticles for improved anti-tumoral activity against non-small cell lung cancer cell lines. Drug Development and Industrial Pharmacy, 2021, , 1-9.	2.0	3
275	Myrrhanone B and Myrrhanol B from resin of <i>Commiphora mukul</i> exhibit hepatoprotective effects in-vivo. Biomedicine and Pharmacotherapy, 2021, 143, 112131.	5.6	3
276	Macrocyclic sulfone derivatives: Synthesis, characterization, in vitro biological evaluation and molecular docking. Drug Development Research, 2021, 82, 562-574.	2.9	3
277	Naturally Occurring O-heterocycles as Anticancer Agents. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, .	1.7	3
278	<i>In silico</i> evaluation of NO donor heterocyclic vasodilators as SARS-CoV-2 M ^{pro} protein inhibitor. Journal of Biomolecular Structure and Dynamics, 2023, 41, 280-297.	3.5	3
279	Design, Synthesis and Molecular Docking Study of Novel 3-Phenyl- β -Alanine-Based Oxadiazole Analogues as Potent Carbonic Anhydrase II Inhibitors. Molecules, 2022, 27, 816.	3.8	3
280	Three-Dimensional Structure Characterization and Inhibition Study of Exfoliative Toxin D From <i>Staphylococcus aureus</i> . Frontiers in Pharmacology, 2022, 13, 800970.	3.5	3
281	Microbiome Variation Across Populations of Desert Halophyte <i>Zygophyllum qatarensis</i> . Frontiers in Plant Science, 2022, 13, 841217.	3.6	3
282	Multifunctional Patented Nanotherapeutics for Cancer Intervention: 2010- Onwards. Recent Patents on Anti-Cancer Drug Discovery, 2023, 18, 38-52.	1.6	3
283	Synthesis of novel hybrid pharmacophore of <i>N</i> -((4-sulfamoylphenyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 inhibitors. Drug Development Research, 2021, , .	2.9	3
284	Genome structure and evolutionary history of frankincense producing <i>Boswellia sacra</i> . IScience, 2022, 25, 104574.	4.1	3
285	A New Irregular Trihydroxy Sesquiterpene from <i>Teucrium mascatense</i> . Helvetica Chimica Acta, 2015, 98, 1462-1465.	1.6	2
286	Frankincense Tree Physiology and Its Responses to Wounding Stress. , 2019, , 53-70.		2
287	Global Trends in Phytohormone Research: Google Trends Analysis Revealed African Countries Have Higher Demand for Phytohormone Information. Plants, 2020, 9, 1248.	3.5	2
288	Total Synthesis of Surinamensinols A and B. SynOpen, 2020, 04, 84-88.	1.7	2

#	ARTICLE	IF	CITATIONS
289	Heterogeneous Pd/C-catalyzed, ligand free Suzuki-Miyaura coupling reaction furnishes new p-terphenyl derivatives. <i>Natural Product Research</i> , 2020, , 1-5.	1.8	2
290	Chemical Constituents and Biological Activities of the Oil from <i>Lycium shawii</i> STEM. <i>Chemistry of Natural Compounds</i> , 2020, 56, 1156-1158.	0.8	2
291	A highly green approach towards aromatic nitro group substitutions: catalyst free reactions of nitroimidazoles with carbon nucleophiles in water. <i>RSC Advances</i> , 2020, 10, 21656-21661.	3.6	2
292	Involvement of selective GABA-A receptor subtypes in amelioration of cisplatin-induced neuropathic pain by 2-chloro-6-methyl flavone (2-Cl-6MF). <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 929-940.	3.0	2
293	Deciphering the focal role of endostatin in Alzheimer's disease. <i>Environmental Science and Pollution Research</i> , 2021, 28, 61998-62011.	5.3	2
294	Fungal genomes: suffering with functional annotation errors. <i>IMA Fungus</i> , 2021, 12, 32.	3.8	2
295	<i>In silico</i> data mining of large-scale databases for the virtual screening of human interleukin-2 inhibitors. <i>Acta Pharmaceutica</i> , 2021, 71, 33-56.	2.0	2
296	Transcriptomics of tapping and healing process in frankincense tree during resin production. <i>Genomics</i> , 2021, 113, 4337-4351.	2.9	2
297	Facile Synthesis of the Shape-Persistent 4-Hydroxybenzaldehyde Based Macrocycles and Exploration of their Key Electronic Properties: An Experimental and DFT Approach. <i>ChemistrySelect</i> , 2022, 7, .	1.5	2
298	Exploring the multifaceted role of TGF- β 2 signaling in diabetic complications. <i>Environmental Science and Pollution Research</i> , 2022, 29, 35643-35656.	5.3	2
299	Eucleanal: A New Naphthalene Derivative from <i>Euclea divinorum</i> . <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	1
300	Genome-wide analysis revealed novel molecular features and evolution of Anti-codons in cyanobacterial tRNAs. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1195-1200.	3.8	1
301	A New Anticancer Bisflavan-3-Ol from <i>Boerhavia elegans</i> . <i>Chemistry of Natural Compounds</i> , 2020, 56, 235-238.	0.8	1
302	Novel Anticancer Dimeric Naphthoquinones from <i>Diospyros lotus</i> having Anti-Tumor, Anti-Inflammatory and Multidrug Resistance Reversal Potential: In Vitro, In Vivo and In Silico Evidence. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 21, 2089-2097.	1.7	1
303	The GC-MS Analysis of the Essential Oil of <i>Cleome austroarabica</i> . <i>Chemistry of Natural Compounds</i> , 2021, 57, 174-176.	0.8	1
304	Unravelling the photoprotective effects of freshwater alga <i>Nostoc commune</i> Vaucher ex Bornet et Flahault against ultraviolet radiations. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	5.3	1
305	Exploration of potential role of Rho GTPase in nicotine dependence-induced withdrawal syndrome in mice. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	5.3	1
306	Virtual 2D mapping of the viral proteome reveals host-specific modality distribution of molecular weight and isoelectric point. <i>Scientific Reports</i> , 2021, 11, 21291.	3.3	1

#	ARTICLE	IF	CITATIONS
307	Exploring the effect of <i>Crinum latifolia</i> in obesity: possible role of oxidative, angiogenic, and inflammatory pathways. <i>Environmental Science and Pollution Research</i> , 2022, 29, 29130-29140.	5.3	1
308	Prediction of inhibitory activities of small molecules against Pantothenate synthetase from <i>Mycobacterium tuberculosis</i> using Machine Learning models. <i>Computers in Biology and Medicine</i> , 2022, 145, 105453.	7.0	1
309	Incensole derivatives from frankincense: Isolation, enhancement, synthetic modification, and a plausible mechanism of their anti-depression activity. <i>Bioorganic Chemistry</i> , 2022, 126, 105900.	4.1	1
310	Frankincense: Tapping, Harvesting and Production. , 2019, , 35-51.		0
311	Editorial for the special issue on frankincense. <i>Phytochemistry</i> , 2020, 173, 112299.	2.9	0
312	Prevention of Postoperative Adhesion Bands by Alkali-treated Cellulosic Luffa Fibers. <i>Journal of Natural Fibers</i> , 2021, 18, 559-567.	3.1	0
313	Anti-migraine activity of freeze-dried latex obtained from <i>Calotropis gigantea</i> Linn. <i>Environmental Science and Pollution Research</i> , 2022, 29, 27460-27478.	5.3	0
314	Microwave-Assisted: An Efficient Aqueous Suzuki-Miyaura Cross-Coupling Reaction of the Substituted 1H-1,2,3-Triazoles. <i>Current Microwave Chemistry</i> , 2022, 09, .	0.8	0
315	Emergence of nutriments as a nascent complementary therapy against antimicrobial resistance. <i>Environmental Science and Pollution Research</i> , 2022, , .	5.3	0
316	Complete mitochondrial genome of endangered Arabian tahr (<i>Arabitragus jayakari</i>) and phylogenetic placement. <i>Mitochondrial DNA Part B: Resources</i> , 2022, 7, 1189-1190.	0.4	0