

# Mohamed F Alajmi

## List of Publications by Year in descending order

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Version: 2024-02-01

140  
papers

4,180  
citations

117453

34  
h-index

174990

52  
g-index

144  
all docs

144  
docs citations

144  
times ranked

4080  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogenesis of ZnO nanoparticles using <i>Pandanus odorifer</i> leaf extract: anticancer and antimicrobial activities. <i>RSC Advances</i> , 2019, 9, 15357-15369.	1.7	166
2	Glecaprevir and Maraviroc are high-affinity inhibitors of SARS-CoV-2 main protease: possible implication in COVID-19 therapy. <i>Bioscience Reports</i> , 2020, 40, .	1.1	129
3	Overview of Bee Pollination and Its Economic Value for Crop Production. <i>Insects</i> , 2021, 12, 688.	1.0	128
4	Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. <i>Scientific Reports</i> , 2020, 10, 10300.	1.6	114
5	Alpha-Amylase and Alpha-Glucosidase Enzyme Inhibition and Antioxidant Potential of 3-Oxolupenal and Katonic Acid Isolated from <i>Nuxia oppositifolia</i> . <i>Biomolecules</i> , 2020, 10, 61.	1.8	110
6	Molecular insight into binding behavior of polyphenol (rutin) with beta lactoglobulin: Spectroscopic, molecular docking and MD simulation studies. <i>Journal of Molecular Liquids</i> , 2018, 269, 511-520.	2.3	107
7	Virtual Screening Approach to Identify High-Affinity Inhibitors of Serum and Glucocorticoid-Regulated Kinase 1 among Bioactive Natural Products: Combined Molecular Docking and Simulation Studies. <i>Molecules</i> , 2020, 25, 823.	1.7	89
8	Biosynthesized Silver Nanoparticle (AgNP) From <i>Pandanus odorifer</i> Leaf Extract Exhibits Anti-metastasis and Anti-biofilm Potentials. <i>Frontiers in Microbiology</i> , 2019, 10, 8.	1.5	83
9	Pharmacoinformatics approach for the identification of Polo-like kinase-1 inhibitors from natural sources as anti-cancer agents. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 173-181.	3.6	79
10	Identification of high-affinity inhibitors of SARS-CoV-2 main protease: Towards the development of effective COVID-19 therapy. <i>Virus Research</i> , 2020, 288, 198102.	1.1	79
11	Evaluation of ellagic acid as an inhibitor of sphingosine kinase 1: A targeted approach towards anticancer therapy. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109245.	2.5	78
12	MARK4 Inhibited by AChE Inhibitors, Donepezil and Rivastigmine Tartrate: Insights into Alzheimer's Disease Therapy. <i>Biomolecules</i> , 2020, 10, 789.	1.8	76
13	Ellagic Acid Controls Cell Proliferation and Induces Apoptosis in Breast Cancer Cells via Inhibition of Cyclin-Dependent Kinase 6. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3526.	1.8	74
14	Treatment of nitric oxide supplemented with nitrogen and sulfur regulates photosynthetic performance and stomatal behavior in mustard under salt stress. <i>Physiologia Plantarum</i> , 2020, 168, 490-510.	2.6	73
15	Design and development of Isatin-triazole hydrazones as potential inhibitors of microtubule affinity-regulating kinase 4 for the therapeutic management of cell proliferation and metastasis. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 840-852.	2.6	69
16	Mechanistic Understanding of <i>Candida albicans</i> Biofilm Formation and Approaches for Its Inhibition. <i>Frontiers in Microbiology</i> , 2021, 12, 638609.	1.5	66
17	Molecular interaction of tea catechin with bovine $\beta$ -lactoglobulin: A spectroscopic and in silico studies. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 238-245.	1.2	59
18	High-Throughput Virtual Screening, Molecular Dynamics Simulation, and Enzyme Kinetics Identified ZINC84525623 as a Potential Inhibitor of NDM-1. <i>International Journal of Molecular Sciences</i> , 2019, 20, 819.	1.8	55

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19	Future of Ionic Liquids for Chiral Separations in High-Performance Liquid Chromatography and Capillary Electrophoresis. <i>Critical Reviews in Analytical Chemistry</i> , 2019, 49, 289-305.	1.8	55
20	Ethephon mitigates nickel stress by modulating antioxidant system, glyoxalase system and proline metabolism in Indian mustard. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1201-1213.	1.4	54
21	Solubility and thermodynamic function of a bioactive compound bergenin in various pharmaceutically acceptable neat solvents at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2016, 101, 19-24.	1.0	52
22	Evaluation of binding and inhibition mechanism of dietary phytochemicals with sphingosine kinase 1: Towards targeted anticancer therapy. <i>Scientific Reports</i> , 2019, 9, 18727.	1.6	52
23	Probing the interaction of Rivastigmine Tartrate, an important Alzheimer's drug, with serum albumin: Attempting treatment of Alzheimer's disease. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 533-542.	3.6	52
24	Insight of the Interaction between 2,4-thiazolidinedione and Human Serum Albumin: A Spectroscopic, Thermodynamic and Molecular Docking Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2727.	1.8	51
25	Structure-based identification of potential SARS-CoV-2 main protease inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 3595-3608.	2.0	50
26	Identification of natural compounds as potent inhibitors of SARS-CoV-2 main protease using combined docking and molecular dynamics simulations. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 2423-2431.	1.8	47
27	Treating Hyperglycemia From <i>Eryngium caeruleum</i> M. Bieb: In-vitro $\alpha$ -Glucosidase, Antioxidant, in-vivo Antidiabetic and Molecular Docking-Based Approaches. <i>Frontiers in Chemistry</i> , 2020, 8, 558641.	1.8	45
28	Molecular interaction studies on ellagic acid for its anticancer potential targeting pyruvate dehydrogenase kinase 3. <i>RSC Advances</i> , 2019, 9, 23302-23315.	1.7	44
29	Natural Compounds as Inhibitors of SARS-CoV-2 Main Protease (3CLpro): A Molecular Docking and Simulation Approach to Combat COVID-19. <i>Current Pharmaceutical Design</i> , 2021, 27, 3577-3589.	0.9	44
30	Exogenously-Sourced Ethylene Modulates Defense Mechanisms and Promotes Tolerance to Zinc Stress in Mustard ( <i>Brassica juncea</i> L.). <i>Plants</i> , 2019, 8, 540.	1.6	43
31	Anti-Viral and Immunomodulatory Properties of Propolis: Chemical Diversity, Pharmacological Properties, Preclinical and Clinical Applications, and In Silico Potential against SARS-CoV-2. <i>Foods</i> , 2021, 10, 1776.	1.9	42
32	Crosstalk of plant growth regulators protects photosynthetic performance from arsenic damage by modulating defense systems in rice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112535.	2.9	40
33	Novel C-2 Symmetric Molecules as $\alpha$ -Glucosidase and $\alpha$ -Amylase Inhibitors: Design, Synthesis, Kinetic Evaluation, Molecular Docking and Pharmacokinetics. <i>Molecules</i> , 2019, 24, 1511.	1.7	39
34	Melittin Exerts Beneficial Effects on Paraquat-Induced Lung Injuries In Mice by Modifying Oxidative Stress and Apoptosis. <i>Molecules</i> , 2019, 24, 1498.	1.7	39
35	Identification of Potential Inhibitors of Calcium/Calmodulin-Dependent Protein Kinase IV from Bioactive Phytoconstituents. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	39
36	Identification of Sphingosine Kinase-1 Inhibitors from Bioactive Natural Products Targeting Cancer Therapy. <i>ACS Omega</i> , 2020, 5, 14720-14729.	1.6	38

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37	Bee Venom Composition: From Chemistry to Biological Activity. <i>Studies in Natural Products Chemistry</i> , 2019, 60, 459-484.	0.8	36
38	GABA reverses salt-inhibited photosynthetic and growth responses through its influence on NO-mediated nitrogen-sulfur assimilation and antioxidant system in wheat. <i>Journal of Biotechnology</i> , 2021, 325, 73-82.	1.9	36
39	Ethylene reduces glucose sensitivity and reverses photosynthetic repression through optimization of glutathione production in salt-stressed wheat ( <i>Triticum aestivum</i> L.). <i>Scientific Reports</i> , 2021, 11, 12650.	1.6	36
40	Mechanistic inhibition of non-enzymatic glycation and aldose reductase activity by naringenin: Binding, enzyme kinetics and molecular docking analysis. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 87-97.	3.6	34
41	Essential oils of aromatic Egyptian plants repel nymphs of the tick <i>Ixodes ricinus</i> (Acari: Ixodidae). <i>Experimental and Applied Acarology</i> , 2017, 73, 139-157.	0.7	33
42	Hesperidinâ€CAMKIV interaction and its impact on cell proliferation and apoptosis in the human hepatic carcinoma and neuroblastoma cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 15119-15130.	1.2	33
43	Nitric Oxide Enhances Photosynthetic Nitrogen and Sulfur-Use Efficiency and Activity of Ascorbate-Glutathione Cycle to Reduce High Temperature Stress-Induced Oxidative Stress in Rice ( <i>Oryza sativa</i> L.) Plants. <i>Biomolecules</i> , 2021, 11, 305.	1.8	33
44	Targeting the Sphingosine Kinase/Sphingosine-1-Phosphate Signaling Axis in Drug Discovery for Cancer Therapy. <i>Cancers</i> , 2021, 13, 1898.	1.7	33
45	Green synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles using aqueous extracts of <i>Pandanus odoratissimus</i> leaves for efficient bifunctional electro-catalytic activity. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1427-1435.	1.6	32
46	Evaluation of Transition Metal Complexes of Benzimidazole-Derived Scaffold as Promising Anticancer Chemotherapeutics. <i>Molecules</i> , 2018, 23, 1232.	1.7	32
47	Investigation of deleterious effects of nsSNPs in the <i>POT1</i> gene: a structural genomicsâ€based approach to understand the mechanism of cancer development. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 10281-10294.	1.2	32
48	Effect of cetyltrimethylammonium bromide (CTAB) on the conformation of a hen egg white lysozyme: A spectroscopic and molecular docking study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 313-318.	2.0	30
49	Design, synthesis & biological evaluation of ferulic acid-based small molecule inhibitors against tumor-associated carbonic anhydrase IX. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115424.	1.4	30
50	Impact of Gln94Glu mutation on the structure and function of protection of telomere 1, a cause of cutaneous familial melanoma. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 1514-1524.	2.0	29
51	Synthesis and SAR studies of novel 1,2,4-oxadiazole-sulfonamide based compounds as potential anticancer agents for colorectal cancer therapy. <i>Bioorganic Chemistry</i> , 2020, 98, 103754.	2.0	29
52	Design, Synthesis, and Biological Evaluation of Benzimidazole-Derived Biocompatible Copper(II) and Zinc(II) Complexes as Anticancer Chemotherapeutics. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1492.	1.8	28
53	Concatenation of molecular docking and molecular simulation of BACE-1, $\beta$ -secretase targeted ligands: in pursuit of Alzheimerâ€™s treatment. <i>Annals of Medicine</i> , 2021, 53, 2332-2344.	1.5	28
54	Seed Extract of <i>Psoralea corylifolia</i> and Its Constituent Bakuchiol Impairs AHL-Based Quorum Sensing and Biofilm Formation in Food- and Human-Related Pathogens. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 351.	1.8	27

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55	Optimization of Hyperglycemic Induction in Zebrafish and Evaluation of Its Blood Glucose Level and Metabolite Fingerprint Treated with Psychotria malayana Jack Leaf Extract. <i>Molecules</i> , 2019, 24, 1506.	1.7	26
56	Evaluation of Binding of Rosmarinic Acid with Human Transferrin and Its Impact on the Protein Structure: Targeting Polyphenolic Acid-Induced Protection of Neurodegenerative Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	26
57	Interaction of polyethylene glycol with cytochrome c investigated via in vitro and in silico approaches. <i>Scientific Reports</i> , 2021, 11, 6475.	1.6	26
58	Comparative study of antioxidant activity and validated RP-HPTLC analysis of rutin in the leaves of different Acacia species grown in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 715-723.	1.2	25
59	Formation of molten globule state in horse heart cytochrome c under physiological conditions: Importance of soft interactions and spectroscopic approach in crowded milieu. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 192-200.	3.6	25
60	Targeting cyclin-dependent kinase 6 by vanillin inhibits proliferation of breast and lung cancer cells: Combined computational and biochemical studies. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 897-910.	1.2	25
61	Graphene Decorated Zinc Oxide and Curcumin to Disinfect the Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Nanomaterials</i> , 2020, 10, 1004.	1.9	25
62	Structural Features of Nucleoprotein CST/Shelterin Complex Involved in the Telomere Maintenance and Its Association with Disease Mutations. <i>Cells</i> , 2020, 9, 359.	1.8	24
63	Characterization of colchicine binding with normal and glycosylated albumin: <i>In vitro</i> and molecular docking analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 3453-3462.	2.0	23
64	Molecular interactions of food additive dye quinoline yellow (Qy) with alpha-lactalbumin: Spectroscopic and computational studies. <i>Journal of Molecular Liquids</i> , 2020, 311, 113215.	2.3	23
65	Identification of plant-based hexokinase 2 inhibitors: combined molecular docking and dynamics simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 10319-10331.	2.0	23
66	Drug-1,3,4-Thiadiazole Conjugates as Novel Mixed-Type Inhibitors of Acetylcholinesterase: Synthesis, Molecular Docking, Pharmacokinetics, and ADMET Evaluation. <i>Molecules</i> , 2019, 24, 860.	1.7	22
67	Synthesis and Antibacterial Aspects of Graphitic C <sub>3</sub> N <sub>4</sub> @Polyaniline Composites. <i>Coatings</i> , 2020, 10, 950.	1.2	22
68	Identification of high-affinity inhibitors of pyruvate dehydrogenase kinase-3: towards therapeutic management of cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 586-594.	2.0	22
69	Stability-indicating densitometric high-performance thin-layer chromatographic method for the quantitative analysis of biomarker naringin in the leaves and stems of <i>Rumex vesicarius</i> L.. <i>Journal of Planar Chromatography - Modern TLC</i> , 2014, 27, 204-209.	0.6	21
70	Rutin attenuates negatively charged surfactant (SDS)-induced lysozyme aggregation/amyloid formation and its cytotoxicity. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 45-58.	3.6	21
71	Phytochemical analysis and anti-diabetic, anti-inflammatory and antioxidant activities of <i>Loranthus acaciae</i> Zucc. Grown in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 724-730.	1.2	21
72	Food additive dye (quinoline yellow) promotes unfolding and aggregation of myoglobin: A spectroscopic and molecular docking analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 216-226.	2.0	21

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73	Alpinia zerumbet (Pers.): Food and Medicinal Plant with Potential In Vitro and In Vivo Anti-Cancer Activities. <i>Molecules</i> , 2019, 24, 2495.	1.7	20
74	Toxicity study on Clinacanthus nutans leaf hexane fraction using Danio rerio embryos. <i>Toxicology Reports</i> , 2019, 6, 1148-1154.	1.6	20
75	Antiviral potential of some novel structural analogs of standard drugs repurposed for the treatment of COVID-19. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 6676-6688.	2.0	20
76	Comparative evaluation of cytotoxic, antimicrobial and antioxidant activities of the crude extracts of three Plectranthus species grown in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 162-170.	1.2	19
77	Guidelines and Safety Considerations in the Laboratory Diagnosis of SARS-CoV-2 Infection: A Prerequisite Study for Health Professionals. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 379-389.	1.2	19
78	Impact of amino acid substitution in the kinase domain of Bruton tyrosine kinase and its association with X-linked agammaglobulinemia. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2399-2408.	3.6	18
79	Non-enzymatic glycation of protein induces cancer cell proliferation and its inhibition by quercetin: Spectroscopic, cytotoxicity and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 777-786.	2.0	18
80	Structural genomics approach to investigate deleterious impact of nsSNPs in conserved telomere maintenance component 1. <i>Scientific Reports</i> , 2021, 11, 10202.	1.6	18
81	Genotoxicity inhibition by <i>Syzygium cumini</i> (L.) seed fraction and rutin: understanding the underlying mechanism of DNA protection. <i>Toxicology Research</i> , 2018, 7, 156-171.	0.9	17
82	Investigating architecture and structure-function relationships in cold shock DNA-binding domain family using structural genomics-based approach. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 484-494.	3.6	17
83	Structural and functional impact of non-synonymous SNPs in the CST complex subunit TEN1: structural genomics approach. <i>Bioscience Reports</i> , 2019, 39, .	1.1	17
84	Preparation, characterization, and in vitro-in silico biological activities of Jatropha pelargoniifolia extract loaded chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120867.	2.6	17
85	In vivo assessment of newly synthesized achiral copper(II) and zinc(II) complexes of a benzimidazole derived scaffold as a potential analgesic, antipyretic and anti-inflammatory. <i>RSC Advances</i> , 2016, 6, 19475-19481.	1.7	16
86	Impact of non-synonymous mutations on the structure and function of telomeric repeat binding factor 1. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9053-9066.	2.0	16
87	Comparative anticancer and antimicrobial activity of aerial parts of Acacia salicina, Acacia laeta, Acacia hamulosa and Acacia tortilis grown in Saudi Arabia. <i>Saudi Pharmaceutical Journal</i> , 2017, 25, 1248-1252.	1.2	15
88	Understanding the interaction between $\alpha$ -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
89	Insights into the Conserved Regulatory Mechanisms of Human and Yeast Aging. <i>Biomolecules</i> , 2020, 10, 882.	1.8	15
90	Recent Advances and Implication of Bioengineered Nanomaterials in Cancer Theranostics. <i>Medicina (Lithuania)</i> , 2021, 57, 91.	0.8	15

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91	Exploring the Binding Pattern of Geraniol with Acetylcholinesterase through In Silico Docking, Molecular Dynamics Simulation, and In Vitro Enzyme Inhibition Kinetics Studies. <i>Cells</i> , 2021, 10, 3533.	1.8	15
92	Investigating the effect of food additive dye $\beta$ -carotene on BLG fibrillation under in-vitro condition. A biophysical and molecular docking study. <i>Journal of King Saud University - Science</i> , 2020, 32, 2034-2040.	1.6	14
93	Identification of Butyrylcholinesterase and Monoamine Oxidase B Targeted Ligands and their Putative Application in Alzheimer's Treatment: A Computational Strategy. <i>Current Pharmaceutical Design</i> , 2021, 27, 2425-2434.	0.9	14
94	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
95	Design and Development of Novel Urea, Sulfonylurea, and Sulfonamide Derivatives as Potential Inhibitors of Sphingosine Kinase 1. <i>Pharmaceuticals</i> , 2020, 13, 118.	1.7	13
96	Quinoline yellow (food additive) induced conformational changes in lysozyme: a spectroscopic, docking and simulation studies of dye-protein interactions. <i>Preparative Biochemistry and Biotechnology</i> , 2020, 50, 673-681.	1.0	13
97	1,2,3-Triazole-quinazolin-4(3H)-one conjugates: evolution of ergosterol inhibitor as anticandidal agent. <i>RSC Advances</i> , 2018, 8, 39611-39625.	1.7	12
98	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
99	Alpha-cyclodextrin turns SDS-induced amyloid fibril into native-like structure. <i>Journal of Molecular Liquids</i> , 2019, 289, 111090.	2.3	12
100	Investigation of guanidinium chloride-induced unfolding pathway of sphingosine kinase 1. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 177-186.	3.6	12
101	Bioflavonoid (Hesperidin) Restrains Protein Oxidation and Advanced Glycation End Product Formation by Targeting AGEs and Glycolytic Enzymes. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 833-844.	0.9	12
102	Impact of Deleterious Mutations on Structure, Function and Stability of Serum/Glucocorticoid Regulated Kinase 1: A Gene to Diseases Correlation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 780284.	1.6	12
103	Phytochemical Analysis, Antispasmodic, Myorelaxant, and Antioxidant Effect of <i>Dysphania ambrosioides</i> (L.) Mosyakin and Clemants Flower Hydroethanolic Extracts and Its Chloroform and Ethyl Acetate Fractions. <i>Molecules</i> , 2021, 26, 7300.	1.7	12
104	Trehalose Restrains the Fibril Load towards $\beta$ -Lactalbumin Aggregation and Halts Fibrillation in a Concentration-Dependent Manner. <i>Biomolecules</i> , 2021, 11, 414.	1.8	11
105	GC-MS- and NMR-Based Metabolomics and Molecular Docking Reveal the Potential Alpha-Glucosidase Inhibitors from <i>Psychotria malayana</i> Jack Leaves. <i>Pharmaceuticals</i> , 2021, 14, 978.	1.7	11
106	Investigating the binding mechanism of topiramate with bovine serum albumin using spectroscopic and computational methods. <i>Journal of Molecular Recognition</i> , 2022, 35, e2958.	1.1	11
107	Antimycobacterial Activity and Safety Profile Assessment of <i>Alpinia galanga</i> and <i>Tinospora cordifolia</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-12.	0.5	10
108	Design and development of 5-(4H)-oxazolones as potential inhibitors of human carbonic anhydrase VA: towards therapeutic management of diabetes and obesity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 3144-3154.	2.0	10

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109	Investigation of sphingosine kinase 1 inhibitory potential of cinchonine and colcemid targeting anticancer therapy. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 6350-6362.	2.0	10
110	Soyasapogenol-B as a Potential Multitarget Therapeutic Agent for Neurodegenerative Disorders: Molecular Docking and Dynamics Study. <i>Entropy</i> , 2022, 24, 593.	1.1	10
111	Quantification of bioactive marker Î²-amylin by validated high-performance thin-layer chromatographic-densitometric method in different species of <i>Maytenus</i> grown in Saudi Arabia. <i>Journal of Planar Chromatography - Modern TLC</i> , 2013, 26, 475-479.	0.6	9
112	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
113	Reactive oxygen mediated apoptosis as a therapeutic approach against opportunistic <i>Candida albicans</i> . <i>Advances in Protein Chemistry and Structural Biology</i> , 2021, 125, 25-49.	1.0	9
114	Rationalizing the Role of Monosodium Glutamate in the Protein Aggregation Through Biophysical Approaches: Potential Impact on Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2021, 15, 636454.	1.4	9
115	Advanced Characterization of Organic Matter Decaying during Composting of Industrial Waste Using Spectral Methods. <i>Processes</i> , 2021, 9, 1364.	1.3	9
116	Anti-inflammatory activity and qualitative analysis of different extracts of <i>Maytenus obscura</i> (A.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 508 <i>Biomedicine</i> , 2014, 4, 152-157.	0.5	8
117	Impact of glioblastoma multiforme associated mutations on the structure and function of MAP/microtubule affinity regulating kinase 4. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1781-1794.	2.0	8
118	Quinoline yellow dye stimulates whey protein fibrillation via electrostatic and hydrophobic interaction: A biophysical study. <i>Journal of Dairy Science</i> , 2021, 104, 5141-5151.	1.4	8
119	Impact of repurposed drugs on the symptomatic COVID-19 patients. <i>Journal of Infection and Public Health</i> , 2021, 14, 24-38.	1.9	8
120	HPTLC finger print and anti-inflammatory activity of ethanolic extract of different <i>Maytenus</i> species grown in Kingdom of Saudi Arabia. <i>Asian Pacific Journal of Tropical Disease</i> , 2013, 3, 341-347.	0.5	7
121	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
122	Elucidation of molecular interactions of theaflavin monogallate with camel milk lactoferrin: detailed spectroscopic and dynamic simulation studies. <i>RSC Advances</i> , 2021, 11, 26710-26720.	1.7	7
123	Analyzing the Effect of Vaccination Over COVID Cases and Deaths in Asian Countries Using Machine Learning Models. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 806265.	1.8	7
124	Using cloud computing to improve network operations and management. , 2015, , .		6
125	Supramolecular separation mechanism of pentafluorophenyl column using ibuprofen and omeprazole as markers: LC-MS and simulation study. <i>Biomedical Chromatography</i> , 2018, 32, e4206.	0.8	6
126	Industrially important enzyme bovine liver catalase forms amyloid in the presence of 14-4-14 Gemini surfactant at physiological pH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125909.	2.3	6



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127	Targeting metacaspase-3 from <i>Plasmodium falciparum</i> towards antimalarial therapy: A combined approach of <i>in-silico</i> and <i>in-vitro</i> investigation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 421-430.	2.0	6
128	Effects of Pro1266Leu mutation on structure and function of glycoprotein Ib binding domain of von Willebrand factor. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 17847-17857.	1.2	5
129	Cell proliferation activity delineated by molecular docking of four new compounds isolated from the aerial parts of <i>Suaeda monoica</i> Forssk. ex. J.F. Gmel. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 172-186.	1.2	5
130	Identification of Natural Compounds (Proanthocyanidin and Rhapontin) as High-Affinity Inhibitor of SARS-CoV-2 Mpro and PLpro using Computational Strategies. <i>Archives of Medical Science</i> , 2021, .	0.4	5
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