

Ajmal Khan

List of Publications by Year in descending order

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173
papers

3,047
citations

201385

27
h-index

288905

40
g-index

175
all docs

175
docs citations

175
times ranked

3451
citing authors

#	ARTICLE	IF	CITATIONS
1	Anticancer Plants: A Review of the Active Phytochemicals, Applications in Animal Models, and Regulatory Aspects. <i>Biomolecules</i> , 2020, 10, 47.	1.8	170
2	Synthesis of novel derivatives of oxindole, their urease inhibition and molecular docking studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3285-3289.	1.0	79
3	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.	2.0	75
4	Transition-metal-free synthesis of oxazoles: valuable structural fragments in drug discovery. <i>RSC Advances</i> , 2016, 6, 93016-93047.	1.7	73
5	Regio- and Enantioselective Synthesis of Sulfone-Bearing Quaternary Carbon Stereocenters by Pd-Catalyzed Allylic Substitution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1340-1345.	7.2	69
6	Diversity and succession of autotrophic microbial community in high-elevation soils along deglaciation chronosequence. <i>FEMS Microbiology Ecology</i> , 2016, 92, f1w160.	1.3	65
7	Pulmonary Alveolar Proteinosis. <i>Respiratory Care</i> , 2011, 56, 1016-1028.	0.8	55
8	Potential therapeutic natural products against Alzheimer's disease with Reference of Acetylcholinesterase. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111609.	2.5	54
9	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.	2.2	53
10	α -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.	2.2	46
11	Diospyros, an under-utilized, multi-purpose plant genus: A review. <i>Biomedicine and Pharmacotherapy</i> , 2017, 91, 714-730.	2.5	45
12	Combined in Vitro and in Silico Studies for the Anticholinesterase Activity and Pharmacokinetics of Coumarinyl Thiazoles and Oxadiazoles. <i>Frontiers in Chemistry</i> , 2018, 6, 61.	1.8	45
13	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.	3.3	43
14	Synthesis, biological activities, and molecular docking studies of 2-mercaptobenzimidazole based derivatives. <i>Bioorganic Chemistry</i> , 2018, 80, 472-479.	2.0	41
15	Synthesis and characterization of new thiosemicarbazones, as potent urease inhibitors: In vitro and in silico studies. <i>Bioorganic Chemistry</i> , 2019, 87, 155-162.	2.0	41
16	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.	1.4	39
17	Selective glycosidase inhibitors: A patent review (2012–present). <i>International Journal of Biological Macromolecules</i> , 2018, 111, 82-91.	3.6	38
18	Mechanistic aspects of plant-based silver nanoparticles against multi-drug resistant bacteria. <i>Heliyon</i> , 2021, 7, e07448.	1.4	37

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19	Dihydropyrimidine based hydrazine dihydrochloride derivatives as potent urease inhibitors. <i>Bioorganic Chemistry</i> , 2016, 64, 85-96.	2.0	35
20	<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.	0.9	34
21	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.	1.9	34
22	Effectiveness of Granulocyte-Macrophage Colony-Stimulating Factor Therapy in Autoimmune Pulmonary Alveolar Proteinosis. <i>Chest</i> , 2012, 141, 1273-1283.	0.4	32
23	Xanthenone-based hydrazones as potent Î±-glucosidase inhibitors: Synthesis, solid state self-assembly and in silico studies. <i>Bioorganic Chemistry</i> , 2019, 84, 372-383.	2.0	32
24	Exploring biological efficacy of coumarin clubbed thiazolo[3,2â€“b][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.	3.6	31
25	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.	1.9	31
26	Recent Advances in Electrochemical Sensing of Hydrogen Peroxide (H2O2) Released from Cancer Cells. <i>Nanomaterials</i> , 2022, 12, 1475.	1.9	31
27	Design, synthesis, in vitro Evaluation and docking studies on dihydropyrimidine-based urease inhibitors. <i>Bioorganic Chemistry</i> , 2017, 74, 53-65.	2.0	30
28	Recent advances in combinatorial cancer therapy via multifunctionalized gold nanoparticles. <i>Nanomedicine</i> , 2020, 15, 1221-1237.	1.7	30
29	Utilization of the common functional groups in bioactive molecules: Exploring dual inhibitory potential and computational analysis of keto esters against Î±-glucosidase and carbonic anhydrase-II enzymes. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 233-244.	3.6	30
30	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.	1.7	30
31	Triterpenic Acids as Non-Competitive Î±-Glucosidase Inhibitors from <i>Boswellia elongata</i> with Structure-Activity Relationship: In Vitro and In Silico Studies. <i>Biomolecules</i> , 2020, 10, 751.	1.8	29
32	Antinociceptive and anti-inflammatory activities of flavonoids isolated from <i>Pistacia integerrima</i> galls. <i>Complementary Therapies in Medicine</i> , 2016, 25, 132-138.	1.3	28
33	Targeting Dengue Virus NS-3 Helicase by Ligand based Pharmacophore Modeling and Structure based Virtual Screening. <i>Frontiers in Chemistry</i> , 2017, 5, 88.	1.8	28
34	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.	1.4	28
35	Stigmasterol can be new steroidal drug for neurological disorders: Evidence of the GABAergic mechanism via receptor modulation. <i>Phytomedicine</i> , 2021, 90, 153646.	2.3	28
36	Evaluation of Antioxidant, Free Radical Scavenging, and Antimicrobial Activity of <i>Quercus incana</i> Roxb.. <i>Frontiers in Pharmacology</i> , 2015, 6, 277.	1.6	27

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37	Regioselective molybdenum-catalyzed allylic substitution of tertiary allylic electrophiles: methodology development and applications. <i>Chemical Science</i> , 2020, 11, 5481-5486.	3.7	27
38	Synthesis of novel (R)-4-fluorophenyl-1H-1,2,3-triazoles: A new class of $\hat{\pm}$ -glucosidase inhibitors. <i>Bioorganic Chemistry</i> , 2019, 91, 103182.	2.0	26
39	Anticholinesterase, antioxidant potentials, and molecular docking studies of isolated bioactive compounds from <i>Grewia optiva</i> . <i>International Journal of Food Properties</i> , 2019, 22, 1386-1396.	1.3	25
40	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.	2.7	25
41	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.	1.9	24
42	Robust Synthesis of Ciprofloxacin-Capped Metallic Nanoparticles and Their Urease Inhibitory Assay. <i>Molecules</i> , 2016, 21, 411.	1.7	23
43	Urease inhibitory profile of extracts and chemical constituents of <i>Pistacia atlantica</i> ssp. <i>cabulica</i> Stocks. <i>Natural Product Research</i> , 2016, 30, 1411-1416.	1.0	23
44	Sodium, Potassium, and Lithium Complexes of Phenanthroline and Diclofenac: First Report on Anticancer Studies. <i>ACS Omega</i> , 2019, 4, 21559-21566.	1.6	22
45	Synthesis, characterization and molecular docking of some novel hydrazone-thiazolines as urease inhibitors. <i>Bioorganic Chemistry</i> , 2020, 94, 103404.	2.0	22
46	Supplementation of green tea extract (GTE) in extender improves structural and functional characteristics, total antioxidant capacity and <i>in vivo</i> fertility of buffalo (<i>Bubalus bubalis</i>) bull spermatozoa. <i>Theriogenology</i> , 2020, 145, 190-197.	0.9	22
47	Rational Design of Novel Inhibitors of $\hat{\pm}$ -Glucosidase: An Application of Quantitative Structure Activity Relationship and Structure-Based Virtual Screening. <i>Pharmaceuticals</i> , 2021, 14, 482.	1.7	22
48	Marine peptides in breast cancer: Therapeutic and mechanistic understanding. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112038.	2.5	22
49	New amino acid clubbed Schiff bases inhibit carbonic anhydrase II, $\hat{\pm}$ -glucosidase, and urease enzymes: <i>in silico</i> and <i>in vitro</i> . <i>Medicinal Chemistry Research</i> , 2021, 30, 712-728.	1.1	22
50	Pharmacological screening of <i>Monothecha buxifolia</i> (Falc.) A. DC. for antinociceptive, anti-inflammatory and antipyretic activities. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 273.	3.7	21
51	Isolation and characterization of three new anti-proliferative Sesquiterpenes from <i>Polygonum barbatum</i> and their mechanism via apoptotic pathway. <i>BMC Cancer</i> , 2017, 17, 694.	1.1	21
52	<i>In Silico</i> 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.	1.7	21
53	<i>In Silico</i> Study of Alkaloids as $\hat{\pm}$ -Glucosidase Inhibitors: Hope for the Discovery of Effective Lead Compounds. <i>Frontiers in Endocrinology</i> , 2016, 7, 153.	1.5	20
54	Biochar characteristics, applications and importance in health risk reduction through metal immobilization. <i>Environmental Technology and Innovation</i> , 2020, 20, 101121.	3.0	20

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55	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.	1.7	20
56	Moxifloxacin-capped noble metal nanoparticles as potential urease inhibitors. <i>New Journal of Chemistry</i> , 2015, 39, 8080-8086.	1.4	18
57	Bioactive chromone constituents from <i>Vitex negundo</i> ; alleviate pain and inflammation. <i>Journal of Pain Research</i> , 2018, Volume 11, 95-102.	0.8	18
58	Prevalence of Type II diabetes in District Dir Lower in Pakistan. <i>Pakistan Journal of Medical Sciences</i> , 2016, 32, 622-5.	0.3	17
59	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.	2.0	17
60	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.	1.8	17
61	Tungsten-Catalyzed Allylic Substitution with a Heteroatom Nucleophile: Reaction Development and Synthetic Applications. <i>Journal of Organic Chemistry</i> , 2020, 85, 11501-11510.	1.7	17
62	Bioassay-Guided Isolation of Sesquiterpene Coumarins from <i>Ferula narthex</i> Bioss: A New Anticancer Agent. <i>Frontiers in Pharmacology</i> , 2016, 7, 26.	1.6	16
63	Evaluation of Raman spectroscopy in comparison to commonly performed dengue diagnostic tests. <i>Journal of Biomedical Optics</i> , 2016, 21, 095005.	1.4	16
64	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.	1.8	16
65	Sedative and antinociceptive activities of two new sesquiterpenes isolated from <i>Ricinus communis</i> . <i>Chinese Journal of Natural Medicines</i> , 2018, 16, 225-230.	0.7	16
66	Photocatalytic Decolorization and Biocidal Applications of Nonmetal Doped TiO ₂ : Isotherm, Kinetic Modeling and In Silico Molecular Docking Studies. <i>Molecules</i> , 2020, 25, 4468.	1.7	16
67	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.	1.7	16
68	A Rare Class of New Dimeric Naphthoquinones from <i>Diospyros lotus</i> have Multidrug Reversal and Antiproliferative Effects. <i>Frontiers in Pharmacology</i> , 2015, 6, 293.	1.6	15
69	Insights from spectroscopic and in-silico techniques for the exploitation of biomolecular interactions between Human serum albumin and Paromomycin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 242-253.	2.5	15
70	Biomedical Applications of <i>Scutellaria edelbergii</i> Rech. f.: In Vitro and In Vivo Approach. <i>Molecules</i> , 2021, 26, 3740.	1.7	15
71	Vaccine Development against COVID-19: Study from Pre-Clinical Phases to Clinical Trials and Global Use. <i>Vaccines</i> , 2021, 9, 836.	2.1	15
72	Search for safer and potent natural inhibitors of Parkinson's disease. <i>Neurochemistry International</i> , 2021, 149, 105135.	1.9	15

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73	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.	2.0	15
74	Elevational diversity and distribution of ammonia-oxidizing archaea community in meadow soils on the Tibetan Plateau. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7065-7074.	1.7	14
75	Supplementation of L-tryptophan (an aromatic amino acid) in tris citric acid extender enhances post-thaw progressive motility, plasmalemma, mitochondrial membrane potential, acrosome, and DNA integrities, and in vivo fertility rate of buffalo (<i>Bubalus bubalis</i>) bull spermatozoa. <i>Cryobiology</i> , 2020, 92, 117-123.	0.3	14
76	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.	1.4	14
77	Synthesis, Characterization, and Photocatalytic, Bactericidal, and Molecular Docking Analysis of $\text{Cu}^{\text{II}}/\text{Fe}/\text{TiO}_2$ Photocatalysts: Influence of Metallic Impurities and Calcination Temperature on Charge Recombination. <i>ACS Omega</i> , 2021, 6, 26108-26118.	1.6	14
78	Identification of α -Glucosidase Inhibitors from <i>Scutellaria edelbergii</i> : ESI-LC-MS and Computational Approach. <i>Molecules</i> , 2022, 27, 1322.	1.7	14
79	Urease inhibition potential of Di-naphthodiospyrol from <i>Diospyros lotus</i> roots. <i>Natural Product Research</i> , 2017, 31, 1214-1218.	1.0	13
80	Three new anthraquinone derivatives isolated from <i>Symplocos racemosa</i> and their antibiofilm activity. <i>Chinese Journal of Natural Medicines</i> , 2017, 15, 944-949.	0.7	13
81	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.	2.0	13
82	Palladium nano-particles as a recyclable catalyst for C=O bond formation under solvent free conditions. <i>Green Chemistry</i> , 2020, 22, 4116-4120.	4.6	13
83	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.	1.8	13
84	A Randomized Controlled Trial of Electrocoagulation-Enabled Biopsy versus Conventional Biopsy in the Diagnosis of Endobronchial Lesions. <i>Respiration</i> , 2011, 81, 129-133.	1.2	12
85	Comparative enzyme inhibition study of 1-deazapurines. <i>Medicinal Chemistry Research</i> , 2016, 25, 2599-2606.	1.1	12
86	Syntheses of 4,6-dihydropyrimidine diones, their urease inhibition, in vitro, in silico, and kinetic studies. <i>Bioorganic Chemistry</i> , 2017, 75, 317-331.	2.0	12
87	Synthesis of new triterpenic monomers and dimers as potential antiproliferative agents and their molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 948-957.	2.6	12
88	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.	1.2	12
89	Diterpenoids and Triterpenoids From <i>Frankincense</i> Are Excellent Anti-psoriatic Agents: An in silico Approach. <i>Frontiers in Chemistry</i> , 2020, 8, 486.	1.8	12
90	Structure-Based Virtual Screening of Tumor Necrosis Factor- α Inhibitors by Cheminformatics Approaches and Bio-Molecular Simulation. <i>Biomolecules</i> , 2021, 11, 329.	1.8	12

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91	New synthetic 1H-1,2,3-triazole derivatives of 3-O-acetyl- $\hat{1}^2$ -boswellic acid and 3-O-acetyl-11-keto- $\hat{1}^2$ -boswellic acid from <i>Boswellia sacra</i> inhibit carbonic anhydrase II in vitro. <i>Medicinal Chemistry Research</i> , 2021, 30, 1185-1198.	1.1	12
92	Bioassay-guided isolation of novel and selective urease inhibitors from <i>Diospyros lotus</i> . <i>Chinese Journal of Natural Medicines</i> , 2017, 15, 865-870.	0.7	11
93	Dual inhibitors of urease and carbonic anhydrase-II from <i>Iris</i> species. <i>Pure and Applied Chemistry</i> , 2019, 91, 1695-1707.	0.9	11
94	Green synthesis of silver and gold nanoparticles using <i>Crataegus oxyacantha</i> extract and their urease inhibitory activities. <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 992-1002.	1.4	11
95	Disparity in soil bacterial community succession along a short time-scale deglaciation chronosequence on the Tibetan Plateau. <i>Soil Ecology Letters</i> , 2020, 2, 83-92.	2.4	11
96	Biophysical investigation of interactions between sorbic acid and human serum albumin through spectroscopic and computational approaches. <i>New Journal of Chemistry</i> , 2021, 45, 7682-7693.	1.4	11
97	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.	2.5	11
98	The 7-Hydroxyflavone attenuates chemotherapy-induced neuropathic pain by targeting inflammatory pathway. <i>International Immunopharmacology</i> , 2022, 107, 108674.	1.7	11
99	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.	1.5	11
100	Hepatoprotective and urease inhibitory activities of garlic conjugated gold nanoparticles. <i>New Journal of Chemistry</i> , 2015, 39, 5003-5007.	1.4	10
101	Contrasting environmental factors drive bacterial and eukaryotic community successions in freshly deglaciated soils. <i>FEMS Microbiology Letters</i> , 2019, 366, .	0.7	10
102	Therapeutic potential of N-substituted thiosemicarbazones as new urease inhibitors: Biochemical and in silico approach. <i>Bioorganic Chemistry</i> , 2021, 109, 104691.	2.0	10
103	Iron-Zinc Co-Doped Titania Nanocomposite: Photocatalytic and Photobiocidal Potential in Combination with Molecular Docking Studies. <i>Catalysts</i> , 2021, 11, 1112.	1.6	10
104	Gastrointestinal Motility and Acute Toxicity of Pistagremic Acid Isolated from the Galls of <i>Pistacia integerrima</i> . <i>Medicinal Chemistry</i> , 2017, 13, 292-294.	0.7	10
105	Regio- and enantioselective formation of tetrazole-bearing quaternary stereocenters <i>via</i> palladium-catalyzed allylic amination. <i>Organic Chemistry Frontiers</i> , 2022, 9, 456-461.	2.3	10
106	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.	1.3	10
107	Computational identification of potential drug targets against <i>Mycobacterium leprae</i> . <i>Medicinal Chemistry Research</i> , 2016, 25, 473-481.	1.1	9
108	Lead Assessment in Biological Samples of Children with Different Gastrointestinal Disorders. <i>Biological Trace Element Research</i> , 2016, 169, 41-45.	1.9	9

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109	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.	1.4	9
110	Complexes of N- and O-Donor Ligands as Potential Urease Inhibitors. <i>ACS Omega</i> , 2020, 5, 10200-10206.	1.6	9
111	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.	0.7	9
112	Synthesis and biological activities of alcohol extract of black cumin seeds (<i>Bunium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (per Synthesis, 2021, 10, 440-455.	1.3	9
113	Fabrication and Biological Assessment of Antidiabetic β -Mangostin Loaded Nanosponges: In Vitro, In Vivo, and In Silico Studies. <i>Molecules</i> , 2021, 26, 6633.	1.7	9
114	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>F\ddot{A}-toterap\ddot{A}-\ddot{A}c</i> , 2022, 157, 105125.	1.1	9
115	Fabrication and Evaluation of Voriconazole Loaded Transethosomal Gel for Enhanced Antifungal and Antileishmanial Activity. <i>Molecules</i> , 2022, 27, 3347.	1.7	9
116	Synthesis, structure-activity relationship and antinociceptive activities of some 2-(2-pyridyl) benzimidazole derivatives. <i>Medicinal Chemistry Research</i> , 2016, 25, 1216-1228.	1.1	8
117	Rapid Synthesis of Gold Nanoparticles from <i>Quercus incana</i> and Their Antimicrobial Potential against Human Pathogens. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 29.	1.3	8
118	Lophenol and lathosterol from resin of <i>Commiphora kua</i> possess hepatoprotective effects in vivo. <i>Journal of Ethnopharmacology</i> , 2020, 252, 112558.	2.0	8
119	Palladium nanoparticles as efficient catalyst for C-S bond formation reactions. <i>RSC Advances</i> , 2020, 10, 31022-31026.	1.7	8
120	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.	1.7	8
121	Optical screening of hepatitis-B infected blood sera using optical technique and neural network classifier. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 27, 375-379.	1.3	7
122	Loading AKBA on surface of silver nanoparticles to improve their sedative-hypnotic and anti-inflammatory efficacies. <i>Nanomedicine</i> , 2019, 14, 2783-2798.	1.7	7
123	Glass beads immobilized doped TiO ₂ NPs with enhanced adsorption efficiency for arsenic(III) from aqueous solution. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
124	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.	1.4	7
125	Bio-oriented synthesis of new sulphadiazine derivatives for urease inhibition and their pharmacokinetic analysis. <i>Scientific Reports</i> , 2021, 11, 18973.	1.6	7
126	Rigid bronchoscopic interventions for central airway obstruction - An observational study. <i>Lung India</i> , 2020, 37, 114.	0.3	7

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127	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.	1.7	7
128	Enzymes Inhibition and Antioxidant Potential of Medicinal Plants Growing in Oman. <i>BioMed Research International</i> , 2022, 2022, 1-9.	0.9	7
129	Research design and statistical methods in Pakistan Journal of Medical Sciences (PJMS). <i>Pakistan Journal of Medical Sciences</i> , 1969, 32, 151-4.	0.3	6
130	Isolation and Characterization of Two New Secondary Metabolites From <i>Quercus incana</i> and Their Antidepressant- and Anxiolytic-Like Potential. <i>Frontiers in Pharmacology</i> , 2018, 9, 298.	1.6	6
131	Oxindole-based chalcones: synthesis and their activity against glycation of proteins. <i>Medicinal Chemistry Research</i> , 2019, 28, 900-906.	1.1	6
132	Dual Airway and Esophageal Stenting in Advanced Esophageal Cancer With Lesions Near Carina. <i>Journal of Bronchology and Interventional Pulmonology</i> , 2020, 27, 286-293.	0.8	6
133	Green synthesis, in vivo and in vitro pharmacological studies of <i>Tamarindus indica</i> based gold nanoparticles. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1185-1192.	1.7	6
134	Role of P-gp and HDAC2 and their Reciprocal Relationship in Uncontrolled Asthma. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 408-413.	0.9	6
135	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.	3.6	6
136	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.	0.7	6
137	Crystal structure, shape analysis and bioactivity of new Li^+ , Na^+ and Mg^{2+} complexes with 1,10-phenanthroline and 2-(3,4-dichlorophenyl)acetic acid. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 294-303.	0.2	5
138	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.	1.7	5
139	Cyclopentanone Derivative Attenuates Memory Impairment by Inhibiting Amyloid Plaques Formation in the 5xFAD Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9559.	1.8	5
140	Low-cost Zeolite/TiO ₂ composite for the photocatalytically enhanced adsorption of Cd ²⁺ from aqueous solution. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2165-2180.	1.2	5
141	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.	1.9	5
142	Benzamide sulfonamide derivatives: potent inhibitors of carbonic anhydrase-II. <i>Medicinal Chemistry Research</i> , 2016, 25, 438-448.	1.1	4
143	Antioxidant, antimicrobial and urease inhibiting activities of methanolic extracts from <i>Cyphostemma digitatum</i> stem and roots. <i>Natural Product Research</i> , 2016, 30, 486-488.	1.0	4
144	New sandwich complexes of 1,10-phenanthroline and 1,3-benzothiazole-2-thiolate inhibit urease in silico and in vitro. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5842.	1.7	4

#	ARTICLE	IF	CITATIONS
145	Scalp Hair Metal Analysis Concerning DNA Damage in Welders of Peshawar Khyber Pakhtunkhwa Pakistan. <i>Biological Trace Element Research</i> , 2021, 199, 1649-1656.	1.9	4
146	Synthesis of indole-substituted thiosemicarbazones as an aldose reductase inhibitor: an <i>in vitro</i> , selectivity and <i>in silico</i> study. <i>Future Medicinal Chemistry</i> , 2021, 13, 1185-1201.	1.1	4
147	Isolation and characterisation of three new anthraquinone secondary metabolites from <i>Symplocos racemosa</i> . <i>Natural Product Research</i> , 2016, 30, 168-173.	1.0	3
148	Anti-proliferative potential of cyclotetrapeptides from <i>Bacillus velezensis</i> RA5401 and their molecular docking on G-Protein-Coupled Receptors. <i>Microbial Pathogenesis</i> , 2018, 123, 419-425.	1.3	3
149	In Silico Modeling of Crimean Congo Hemorrhagic Fever Virus Glycoprotein-N and Screening of Anti Viral Hits by Virtual Screening. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 2675-2688.	0.9	3
150	Dihydropyrimidones: A ligands urease recognition study and mechanistic insight through <i>in vitro</i> and <i>in silico</i> approach. <i>Medicinal Chemistry Research</i> , 2021, 30, 120-132.	1.1	3
151	Assessment of DNA damage induced by endosulfan in grass carp (<i>Ctenopharyngodon idella</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 147 T	0.7	3
152	Myrrhanone B and Myrrhanol B from resin of <i>Commiphora mukul</i> exhibit hepatoprotective effects <i>in-vivo</i> . <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112131.	2.5	3
153	Macrocyclic sulfone derivatives: Synthesis, characterization, <i>in vitro</i> biological evaluation and molecular docking. <i>Drug Development Research</i> , 2021, 82, 562-574.	1.4	3
154	Dinuclear Cyclam Complex as a Non-Cytotoxic, Anti-Hyperurecemic Lead: <i>In vitro</i> to <i>In vivo</i> Studies. <i>Medicinal Chemistry</i> , 2017, 13, 585-591.	0.7	3
155	Vintage meets contemporary: Use of rigid TBNA in the era of real-time imaging – first report from India. <i>Lung India</i> , 2018, 35, 241.	0.3	3
156	<i>In vitro</i> Study on the Antimicrobial Activity of Human Tears with Respect to Age. <i>Korean Journal of Clinical Laboratory Science</i> , 2018, 50, 93-99.	0.1	3
157	Design, Synthesis and Molecular Docking Study of Novel 3-Phenyl- β -Alanine-Based Oxadiazole Analogues as Potent Carbonic Anhydrase II Inhibitors. <i>Molecules</i> , 2022, 27, 816.	1.7	3
158	Pharmacognostic and phytochemical studies of <i>Zanthoxylum armatum</i> DC. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2017, 30, 429-438.	0.2	3
159	Three-Dimensional Structure Characterization and Inhibition Study of Exfoliative Toxin D From <i>Staphylococcus aureus</i> . <i>Frontiers in Pharmacology</i> , 2022, 13, 800970.	1.6	3
160	Synthesis of novel hybrid pharmacophore of <i>N</i> -((4-sulfamoylphenyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T inhibitors. <i>Drug Development Research</i> , 2021, , .	1.4	3
161	Chemical Constituents and Biological Activities of the Oil from <i>Lycium shawii</i> STEM. <i>Chemistry of Natural Compounds</i> , 2020, 56, 1156-1158.	0.2	2
162	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.	1.4	2

#	ARTICLE	IF	CITATIONS
163	<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.	0.9	2
164	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, .	0.7	2
165	Prevalence of p-glycoprotein (PGP) expression, function and its effect on efficacy of rifampicin in patients with lymph node tuberculosis. <i>Indian Journal of Tuberculosis</i> , 2020, 67, 172-176.	0.3	1
166	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.	0.9	1
167	Use of dedicated optical tracheal dilator for postintubation tracheal stenosis: First report from India. <i>Lung India</i> , 2018, 35, 417.	0.3	1
168	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.	3.9	1
169	Is Concomitant Use of Theophylline and Roflumilast Really Contraindicated?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 1406-1407.	2.5	0
170	Determination of In-vitro Biochemical Activities of Reflevone, A New Natural Organic Compound. <i>Journal of Biologically Active Products From Nature</i> , 2017, 7, 427-437.	0.1	0
171	DNA damage analysis concerning GSTM1 and GSTT1 gene polymorphism in gold jewellery workers from Peshawar Pakistan. <i>Biomarkers</i> , 2020, 25, 483-489.	0.9	0
172	Antifungal Activity of Six Medicinal Plants of Pakistan Against Selected Fungi. <i>Bangladesh Journal of Botany</i> , 2021, 50, 441-443.	0.2	0
173	Sesquiterpene from <i>Polygonum barbatum</i> disrupts mitochondrial membrane potential to induce apoptosis and inhibits metastasis by downregulating matrix metalloproteinase and osteopontin in NCI-H460 cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 0, , .	1.4	0