## Abdul Sadiq

## List of Publications by Year in descending order

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		101543	149698
100	4,091	36	56
papers	citations	h-index	g-index
101	101	101	3545
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Flavonoids as Prospective Neuroprotectants and Their Therapeutic Propensity in Aging Associated Neurological Disorders. Frontiers in Aging Neuroscience, 2019, 11, 155.	3.4	220
2	Synergistic interactions of phytochemicals with antimicrobial agents: Potential strategy to counteract drug resistance. Chemico-Biological Interactions, 2019, 308, 294-303.	4.0	184
3	Anti-Alzheimer's Studies on β-Sitosterol Isolated from Polygonum hydropiper L Frontiers in Pharmacology, 2017, 8, 697.	3 <b>.</b> 5	159
4	Berberine nanoparticles with enhanced in vitro bioavailability: characterization and antimicrobial activity. Drug Design, Development and Therapy, 2018, Volume 12, 303-312.	4.3	119
5	Comparative chemical profiling, cholinesterase inhibitions and anti-radicals properties of essential oils from Polygonum hydropiper L: A Preliminary anti- Alzheimer's study. Lipids in Health and Disease, 2015, 14, 141.	3.0	99
6	Phyto-Therapeutic and Nanomedicinal Approaches to Cure Alzheimer's Disease: Present Status and Future Opportunities. Frontiers in Aging Neuroscience, 2018, 10, 284.	3.4	99
7	Phenolic contents, antioxidant and anticholinesterase potentials of crude extract, subsequent fractions and crude saponins from Polygonum hydropiper L. BMC Complementary and Alternative Medicine, 2014, 14, 145.	3.7	96
8	Design, synthesis, in-vitro, in-vivo and in-silico studies of pyrrolidine-2,5-dione derivatives as multitarget anti-inflammatoryÂagents. European Journal of Medicinal Chemistry, 2020, 186, 111863.	5.5	95
9	Noncovalent Bifunctional Organocatalysts: Powerful Tools for Contiguous Quaternaryâ€Tertiary Stereogenic Carbon Formation, Scope, and Origin of Enantioselectivity. Chemistry - A European Journal, 2012, 18, 4088-4098.	3.3	86
10	Synthesis, anticholinesterase and antioxidant potentials of ketoesters derivatives of succinimides: a possible role in the management of Alzheimer's. Chemistry Central Journal, 2015, 9, 31.	2.6	80
11	Synthesis, in-vitro α-glucosidase inhibition, antioxidant, in-vivo antidiabetic and molecular docking studies of pyrrolidine-2,5-dione and thiazolidine-2,4-dione derivatives. Bioorganic Chemistry, 2019, 91, 103128.	4.1	79
12	Isolation of dihydrobenzofuran derivatives from ethnomedicinal species Polygonum barbatum as anticancer compounds. Biological Research, 2019, 52, 1.	3.4	79
13	Chemical composition, antioxidant and anticholinesterase potentials of essential oil of Rumex hastatus D. Don collected from the North West of Pakistan. BMC Complementary and Alternative Medicine, 2016, 16, 29.	3.7	78
14	Design, synthesis and bioevaluation of tricyclic fused ring system as dual binding site acetylcholinesterase inhibitors. Bioorganic Chemistry, 2019, 83, 336-347.	4.1	72
15	Molecularly Characterized Solvent Extracts and Saponins from Polygonum hydropiper L. Show High Anti-Angiogenic, Anti-Tumor, Brine Shrimp, and Fibroblast NIH/3T3 Cell Line Cytotoxicity. Frontiers in Pharmacology, 2016, 7, 74.	3 <b>.</b> 5	69
16	Anticholinesterse and antioxidant investigations of crude extracts, subsequent fractions, saponins and flavonoids of atriplex laciniata L.: potential effectiveness in Alzheimer's and other neurological disorders. Biological Research, 2015, 48, 21.	3.4	65
17	Phenolic, flavonoid contents, anticholinesterase and antioxidant evaluation of <i>Iris germanica</i> var <i>; florentina</i> Natural Product Research, 2016, 30, 1440-1444.	1.8	65
18	Glycoside-based niosomal nanocarrier for enhanced in-vivo performance of Cefixime. International Journal of Pharmaceutics, 2016, 505, 122-132.	5.2	59

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19	Isolation of bioactive compounds from Bergenia ciliata (haw.) Sternb rhizome and their antioxidant and anticholinesterase activities. BMC Complementary and Alternative Medicine, 2019, 19, 296.	3.7	57
20	Editorial: Natural Products-Based Drugs: Potential Therapeutics Against Alzheimer's Disease and Other Neurological Disorders. Frontiers in Pharmacology, 2019, 10, 1417.	3 <b>.</b> 5	57
21	Cytotoxicity and molecular docking studies on phytosterols isolated from Polygonum hydropiper L. Steroids, 2019, 141, 30-35.	1.8	57
22	Rational design and synthesis of dihydropyrimidine based dual binding site acetylcholinesterase inhibitors. Bioorganic Chemistry, 2016, 69, 91-101.	4.1	54
23	Synthesis, biological evaluation and docking studies of 2,3-dihydroquinazolin-4(1 H )-one derivatives as inhibitors of cholinesterases. Bioorganic Chemistry, 2017, 70, 237-244.	4.1	51
24	Analysis of chemical constituents and antinociceptive potential of essential oil of Teucrium Stocksianum bioss collected from the North West of Pakistan. BMC Complementary and Alternative Medicine, 2012, 12, 244.	3.7	50
25	Antioxidant, total phenolic contents and antinociceptive potential of Teucrium stocksianum methanolic extract in different animal models. BMC Complementary and Alternative Medicine, 2014, 14, 181.	3.7	50
26	Design, synthesis, in-vitro thymidine phosphorylase inhibition, in-vivo antiangiogenic and in-silico studies of C-6 substituted dihydropyrimidines. Bioorganic Chemistry, 2018, 80, 99-111.	4.1	50
27	Chemical Characterization, Analgesic, Antioxidant, and Anticholinesterase Potentials of Essential Oils From Isodon rugosus Wall. ex. Benth. Frontiers in Pharmacology, 2018, 9, 623.	3 <b>.</b> 5	50
28	Chemical profiling, antimicrobial and insecticidal evaluations of Polygonum hydropiper L. BMC Complementary and Alternative Medicine, 2016, 16, 502.	3.7	49
29	Synthesis, in-vitro, in-vivo anti-inflammatory activities and molecular docking studies of acyl and salicylic acid hydrazide derivatives. Bioorganic Chemistry, 2020, 104, 104168.	4.1	48
30	Heavy metals analysis, phytochemical, phytotoxic and anthelmintic investigations of crude methanolic extract, subsequent fractions and crude saponins from Polygonum hydropiper L. BMC Complementary and Alternative Medicine, 2014, 14, 465.	3.7	47
31	Treating Hyperglycemia From Eryngium caeruleum M. Bieb: In-vitro α-Glucosidase, Antioxidant, in-vivo Antidiabetic and Molecular Docking-Based Approaches. Frontiers in Chemistry, 2020, 8, 558641.	3.6	45
32	Sugar-based novel niosomal nanocarrier system for enhanced oral bioavailability of levofloxacin. Drug Delivery, 2016, 23, 3653-3664.	5.7	43
33	Synthesis, crystal structure determination, biological screening and docking studies of N $_{\rm 1}$ -substituted derivatives of 2,3-dihydroquinazolin-4(1 H )-one as inhibitors of cholinesterases. Bioorganic Chemistry, 2017, 72, 256-267.	4.1	43
34	Phytochemical profiling of bioactive compounds, anti-inflammatory and analgesic potentials of Habenaria digitata Lindl.: Molecular docking based synergistic effect of the identified compounds. Journal of Ethnopharmacology, 2021, 273, 113976.	4.1	43
35	Cellular efflux transporters and the potential role of natural products in combating efflux mediated drug resistance. Frontiers in Bioscience - Landmark, 2017, 22, 732-756.	3.0	42
36	Molecular characterization and growth optimization of halo-tolerant protease producing Bacillus Subtilis Strain BLK-1.5 isolated from salt mines of Karak, Pakistan. Extremophiles, 2016, 20, 395-402.	2.3	41

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37	Synthesis, in-vitro cholinesterase inhibition, in-vivo anticonvulsant activity and in-silico exploration of N-(4-methylpyridin-2-yl)thiophene-2-carboxamide analogs. Bioorganic Chemistry, 2019, 92, 103216.	4.1	41
38	Ursolic Acid Hydrazide Based Organometallic Complexes: Synthesis, Characterization, Antibacterial, Antioxidant, and Docking Studies. Frontiers in Chemistry, 2018, 6, 55.	3.6	40
39	Tailoring the substitution pattern of Pyrrolidine-2,5-dione for discovery of new structural template for dual COX/LOX inhibition. Bioorganic Chemistry, 2021, 112, 104969.	4.1	40
40	Zinc metal carboxylates as potential anti-Alzheimer's candidate: <i>inÂvitro</i> anticholinesterase, antioxidant and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1044-1054.	3.5	39
41	GC-MS Analysis and Gastroprotective Evaluations of Crude Extracts, Isolated Saponins, and Essential Oil from Polygonum hydropiper L Frontiers in Chemistry, 2017, 5, 58.	3.6	38
42	Sequential Reductive Aminationâ€Hydrogenolysis: A Oneâ€Pot Synthesis of Challenging Chiral Primary Amines. Advanced Synthesis and Catalysis, 2011, 353, 2085-2092.	4.3	37
43	Investigations of anticholinestrase and antioxidant potentials of methanolic extract, subsequent fractions, crude saponins and flavonoids isolated from Isodon rugosus. Biological Research, 2014, 47, 76.	3.4	37
44	Aceclofenac nanocrystals with enhanced in vitro, in vivo performance: formulation optimization, characterization, analgesic and acute toxicity studies. Drug Design, Development and Therapy, 2017, Volume 11, 2443-2452.	4.3	37
45	Fabrication, characterization and in vitro evaluation of silibinin nanoparticles: an attempt to enhance its oral bioavailability. Drug Design, Development and Therapy, 2017, Volume 11, 1453-1464.	4.3	35
46	$\hat{l}^2$ -Sitosterol from Ifloga spicata (Forssk.) Sch. Bip. as potential anti-leishmanial agent against leishmania tropica: Docking and molecular insights. Steroids, 2019, 148, 56-62.	1.8	35
47	Structural Modification, <i>In Vitro</i> , <i>In Vivo</i> , <i>Ex Vivo</i> , and <i>In Silico</i> Exploration of Pyrimidine and Pyrrolidine Cores for Targeting Enzymes Associated with Neuroinflammation and Cholinergic Deficit in Alzheimer's Disease. ACS Chemical Neuroscience, 2021, 12, 4123-4143.	3.5	35
48	Design, synthesis and bioevaluation of new vanillin hybrid as multitarget inhibitor of î±-glucosidase, î±-amylase, PTP-1B and DPP4 for the treatment of type-II diabetes. Biomedicine and Pharmacotherapy, 2022, 150, 113038.	5.6	35
49	Chiral picolylamines for Michael and aldol reactions: probing substrate boundaries. Organic and Biomolecular Chemistry, 2012, 10, 9287.	2.8	33
50	Extraction of saponins and toxicological profile of Teucrium stocksianum boiss extracts collected from District Swat, Pakistan. Biological Research, 2014, 47, 65.	3.4	33
51	Anti-nociceptive Activity of Ethnomedicinally Important Analgesic Plant Isodon rugosus Wall. ex Benth: Mechanistic Study and Identifications of Bioactive Compounds. Frontiers in Pharmacology, 2016, 7, 200.	3.5	33
52	Antitumor and anti-angiogenic potentials of isolated crude saponins and various fractions of Rumex hastatus D. Don Biological Research, 2016, 49, 18.	3.4	33
53	Potential Role of Plant Extracts and Phytochemicals Against Foodborne Pathogens. Applied Sciences (Switzerland), 2020, 10, 4597.	2.5	31
54	Phytochemical investigation, anti-inflammatory, antipyretic and antinociceptive activities of Zanthoxylum armatum DC extracts-in vivo and in vitro experiments. Heliyon, 2020, 6, e05571.	3.2	31

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55	Antibacterial and antifungal potentials of the solvents extracts from Eryngium caeruleum, Notholirion thomsonianum and Allium consanguineum. BMC Complementary and Alternative Medicine, 2016, 16, 478.	3.7	30
56	<p>Comparative Cholinesterase, î±-Glucosidase Inhibitory, Antioxidant, Molecular Docking, and Kinetic Studies on Potent Succinimide Derivatives</p> . Drug Design, Development and Therapy, 2020, Volume 14, 2165-2178.	4.3	30
57	Double-tailed acyl glycoside niosomal nanocarrier for enhanced oral bioavailability of Cefixime. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1440-1451.	2.8	28
58	Evaluation of Rumex hastatus D. Don for cytotoxic potential against HeLa and NIH/3T3 cell lines: chemical characterization of chloroform fraction and identification of bioactive compounds. BMC Complementary and Alternative Medicine, 2016, 16, 308.	3.7	27
59	<p>Fabrication and characterization of glimepiride nanosuspension by ultrasonication-assisted precipitation for improvement of oral bioavailability and in vitro α-glucosidase inhibition</p> . International Journal of Nanomedicine, 2019, Volume 14, 6287-6296.	6.7	27
60	<p>Pharmacological Evaluation of Aldehydic-Pyrrolidinedione Against HCT-116, MDA-MB231, NIH/3T3, MCF-7 Cancer Cell Lines, Antioxidant and Enzyme Inhibition Studies</p> . Drug Design, Development and Therapy, 2019, Volume 13, 4185-4194.	4.3	27
61	Persicaria hydropiper (L.) Delarbre: A review on traditional uses, bioactive chemical constituents and pharmacological and toxicological activities. Journal of Ethnopharmacology, 2020, 251, 112516.	4.1	27
62	Neuroprotective Studies on Polygonum hydropiper L. Essential Oils Using Transgenic Animal Models. Frontiers in Pharmacology, 2020, 11, 580069.	3.5	27
63	Potential application of <i> Conyza canadensis</i> (L) Cronquist in the management of diabetes: <i> In vitro</i> and <i>in vivo</i> evaluation. Tropical Journal of Pharmaceutical Research, 2018, 17, 1287.	0.3	26
64	Anti-Inflammatory, Analgesic and Antioxidant Potential of New (2S,3S)-2-(4-isopropylbenzyl)-2-methyl-4-nitro-3-phenylbutanals and Their Corresponding Carboxylic Acids through In Vitro, In Silico and In Vivo Studies. Molecules, 2022, 27, 4068.	3.8	26
65	Bioavailability and hepatoprotection enhancement of berberine and its nanoparticles prepared by liquid antisolvent method. Saudi Journal of Biological Sciences, 2021, 28, 327-332.	3.8	25
66	Demonstration of biological activities of extracts from Isodon rugosus Wall. Ex Benth: Separation and identification of bioactive phytoconstituents by GC-MS analysis in the ethyl acetate extract. BMC Complementary and Alternative Medicine, 2017, 17, 284.	3.7	24
67	Catalytic Access to Succinimide Products Containing Stereogenic Quaternary Carbons. ChemistrySelect, 2020, 5, 11934-11938.	1.5	24
68	Underlying Anticancer Mechanisms and Synergistic Combinations of Phytochemicals with Cancer Chemotherapeutics: Potential Benefits and Risks. Journal of Food Quality, 2022, 2022, 1-15.	2.6	23
69	Exploring the ability of dihydropyrimidine-5-carboxamide and 5-benzyl-2,4-diaminopyrimidine-based analogues for the selective inhibition of L.Âmajor dihydrofolate reductase. European Journal of Medicinal Chemistry, 2021, 210, 112986.	5.5	22
70	Antioxidant Molecules Isolated from Edible Prostrate Knotweed: Rational Derivatization to Produce More Potent Molecules. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-15.	4.0	22
71	Synthesis, pharmacological evaluation and docking studies of progesterone and testosterone derivatives as anticancer agents. Steroids, 2018, 136, 22-31.	1.8	21
72	Synthesis of Michael Adducts as Key Building Blocks for Potential Analgesic Drugs: In vitro, in vivo and in silico Explorations. Drug Design, Development and Therapy, 2021, Volume 15, 1299-1313.	4.3	21

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73	Cytotoxicity, anti-angiogenic, anti-tumor and molecular docking studies on phytochemicals isolated from Polygonum hydropiper L BMC Complementary Medicine and Therapies, 2021, 21, 239.	2.7	21
74	Phytochemical Analysis, α-Glucosidase and Amylase Inhibitory, and Molecular Docking Studies on Persicaria hydropiper L. Leaves Essential Oils. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-11.	1.2	20
75	3-(((1S,3S)-3-((R)-Hydroxy(4-(trifluoromethyl)phenyl)methyl)-4-oxocyclohexyl)methyl)pentane-2,4-dione: Design and Synthesis of New Stereopure Multi-Target Antidiabetic Agent. Molecules, 2022, 27, 3265.	3.8	18
76	Crude extract and isolated bioactive compounds from Notholirion thomsonianum (Royale) Stapf as multitargets antidiabetic agents: in-vitro and molecular docking approaches. BMC Complementary Medicine and Therapies, 2021, 21, 270.	2.7	17
77	HPLC-DAD phenolics analysis, α-glucosidase, α-amylase inhibitory, molecular docking and nutritional profiles of Persicaria hydropiper L BMC Complementary Medicine and Therapies, 2022, 22, 26.	2.7	16
78	Ethyl 3-oxo-2-(2,5-dioxopyrrolidin-3-yl)butanoate Derivatives: Anthelmintic and Cytotoxic Potentials, Antimicrobial, and Docking Studies. Frontiers in Chemistry, 2017, 5, 119.	3.6	15
79	<i>In-silico</i> evaluations of the isolated phytosterols from <i>polygonum hydropiper</i> L against BACE1 and MAO drug targets. Journal of Biomolecular Structure and Dynamics, 2022, 40, 10230-10238.	3.5	15
80	Anticholinesterase and antioxidant potentials of Nonea micrantha Bioss. & Reut along with GC-MS analysis. BMC Complementary and Alternative Medicine, 2017, 17, 499.	3.7	14
81	Benzoic Acid Derivatives of Ifloga spicata (Forssk.) Sch.Bip. as Potential Anti-Leishmanial against Leishmania tropica. Processes, 2019, 7, 208.	2.8	13
82	SAR based in-vitro anticholinesterase and molecular docking studies of nitrogenous progesterone derivatives. Steroids, 2020, 158, 108599.	1.8	13
83	Synthesis, pharmacological evaluation and Molecular modelling studies of pregnenolone derivatives as inhibitors of human dihydrofolate reductase. Steroids, 2021, 168, 108801.	1.8	13
84	$\hat{l}_{\pm}$ -Glucosidase, $\hat{l}_{\pm}$ -Amylase and Antioxidant Evaluations of Isolated Bioactives from Wild Strawberry. Molecules, 2022, 27, 3444.	3.8	13
85	Nutritional and medicinal aspects of <i>Rumex hastatus</i> D. Don along with <i>in vitro</i> anti-diabetic activity. International Journal of Food Properties, 2019, 22, 1733-1748.	3.0	12
86	DPPH, ABTS free radical scavenging, antibacterial and phytochemical evaluation of crude methanolic extract and subsequent fractions of Chenopodium botrys aerial parts. Pakistan Journal of Pharmaceutical Sciences, 2017, 30, 761-766.	0.2	12
87	Antioxidant, Enzyme Inhibitory, and Molecular Docking Approaches to the Antidiabetic Potentials of Bioactive Compounds from Persicaria hydropiper L Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-13.	1.2	10
88	Neuroprotective potentials of selected natural edible oils using enzyme inhibitory, kinetic and simulation approaches. BMC Complementary Medicine and Therapies, 2021, 21, 248.	2.7	9
89	Anabasis articulata (Forssk.) Moq: A Good Source of Phytochemicals with Antibacterial, Antioxidant, and Antidiabetic Potential. Molecules, 2022, 27, 3526.	3.8	9
90	Phytochemistry, anti-diabetic and antioxidant potentials of Allium consanguineum Kunth. BMC Complementary Medicine and Therapies, 2022, 22, .	2.7	9

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91	Larvicidal, insecticidal, brine shrimp cytotoxicity and anti-oxidant activities of Diospyros kaki (L.) reported from Pakistan. Pakistan Journal of Pharmaceutical Sciences, 2015, 28, 1239-43.	0.2	8
92	Rational design, synthesis, antiproliferative activity against MCF-7, MDA-MB-231 cells, estrogen receptors binding affinity, and computational study of indenopyrimidine-2,5-dione analogs for the treatment of breast cancer. Bioorganic and Medicinal Chemistry Letters, 2022, 64, 128668.	2.2	8
93	Anti-Inflammatory Potentials of $\hat{I}^2$ -Ketoester Derivatives of N-Ary Succinimides: In Vitro, In Vivo, and Molecular Docking Studies. Journal of Chemistry, 2022, 2022, 1-11.	1.9	8
94	<p>Formulation of Aceclofenac Tablets Using Nanosuspension as Granulating Agent: An Attempt to Enhance Dissolution Rate and Oral Bioavailability</p> . International Journal of Nanomedicine, 2020, Volume 15, 8999-9009.	6.7	7
95	Prospective Application of Two New Pyridine-Based Zinc (II) Amide Carboxylate in Management of Alzheimer's Disease: Synthesis, Characterization, Computational and in vitro Approaches. Drug Design, Development and Therapy, 2021, Volume 15, 2679-2694.	4.3	7
96	GC-MS Analysis and Various In Vitro and In Vivo Pharmacological Potential of Habenaria plantaginea Lindl Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-13.	1.2	6
97	Cytotoxicity of Anchusa arvensis Against HepG-2 Cell Lines: Mechanistic and Computational Approaches. Current Topics in Medicinal Chemistry, 2020, 19, 2805-2813.	2.1	5
98	Comparative studies of binding potential of Prunus armeniaca and Prunus domestica gums in tablets formulations. Pakistan Journal of Pharmaceutical Sciences, 2015, 28, 909-14.	0.2	5
99	Organotin (IV) complexes with sulphonyl hydrazide moiety. Design, synthesis, characterization, docking studies, cytotoxic and anti-leishmanial activity. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12336-12346.	3.5	2
100	Evaluation of crude saponins, methanolic extract and subsequent fractions from Isodon rugosus Wall. ex Benth: Potentials of anti-angiogenesis in egg and anti-tumorigenesis in potato. Pakistan Journal of Pharmaceutical Sciences, 2019, 32, 1971-1977.	0.2	1