Pervaiz Ali Channar

List of Publications by Year
in descending order

90 papers	1,711 citations	279798 23 h-index	395702 33 g-index
90 all docs	90 docs citations	90 times ranked	1922 citing authors

#	Article	IF	Citations
1	Recent advances in the synthesis, biological activities and various applications of ferrocene derivatives. Applied Organometallic Chemistry, 2017, 31, e3664.	3.5	113
2	Design, synthesis, kinetic mechanism and molecular docking studies of novel 1-pentanoyl-3-arylthioureas as inhibitors of mushroom tyrosinase and free radical scavengers. European Journal of Medicinal Chemistry, 2017, 141, 273-281.	5.5	75
3	Synthesis, theoretical, spectroscopic and electrochemical DNA binding investigations of 1, 3, 4-thiadiazole derivatives of ibuprofen and ciprofloxacin: Cancer cell line studies. Journal of Photochemistry and Photobiology B: Biology, 2018, 189, 104-118.	3.8	60
4	Synthesis, molecular docking studies of coumarinyl-pyrazolinyl substituted thiazoles as non-competitive inhibitors of mushroom tyrosinase. Bioorganic Chemistry, 2017, 74, 187-196.	4.1	56
5	General properties and comparison of the corrosion inhibition efficiencies of the triazole derivatives for mild steel. Corrosion Reviews, 2018, 36, 507-545.	2.0	49
6	Sulfonamide-Linked Ciprofloxacin, Sulfadiazine and Amantadine Derivatives as a Novel Class of Inhibitors of Jack Bean Urease; Synthesis, Kinetic Mechanism and Molecular Docking. Molecules, 2017, 22, 1352.	3.8	42
7	A Review on the Recent Trends in Synthetic Strategies and Applications of Xanthene Dyes. Mini-Reviews in Organic Chemistry, 2018, 15, 166-197.	1.3	40
8	Thiophene-based molecular and polymeric semiconductors for organic field effect transistors and organic thin film transistors. Journal of Materials Science: Materials in Electronics, 2018, 29, 17975-18010.	2.2	39
9	Novel C-2 Symmetric Molecules as Î±-Glucosidase and Î±-Amylase Inhibitors: Design, Synthesis, Kinetic Evaluation, Molecular Docking and Pharmacokinetics. Molecules, 2019, 24, 1511.	3.8	39
10	Hybrid Pharmacophoric Approach in the Design and Synthesis of Coumarin Linked Pyrazolinyl as Urease Inhibitors, Kinetic Mechanism and Molecular Docking. Chemistry and Biodiversity, 2017, 14, e1700035.	2.1	37
11	Enzyme inhibitory activities an insight into the structureâ€“Activity relationship of biscoumarin derivatives. European Journal of Medicinal Chemistry, 2017, 141, 386-403.	5.5	36
12	Synthesis of sulfadiazinyl acyl/aryl thiourea derivatives as calf intestinal alkaline phosphatase inhibitors, pharmacokinetic properties, lead optimization, Lineweaver-Burk plot evaluation and binding analysis. Bioorganic and Medicinal Chemistry, 2018, 26, 3707-3715.	3.0	35
13	New 1-octanoyl-3-aryl thiourea derivatives: Solvent-free synthesis, characterization and multi-target biological activities. Bangladesh Journal of Pharmacology, 2016, 11, 894.	0.4	32
14	Long chain 1-acyl-3-arylthioureas as jack bean urease inhibitors, synthesis, kinetic mechanism and molecular docking studies. Journal of the Taiwan Institute of Chemical Engineers, 2017, 77, 54-63.	5.3	31
15	Jack Bean Urease Inhibitors, and Antioxidant Activity Based on Palmitic acid Derived 1-acyl-3-Arylthioureas: Synthesis, Kinetic Mechanism and Molecular Docking Studies. Drug Research, 2017, 67, 596-605.	1.7	30
16	New cholinesterase inhibitors for Alzheimer's disease: Structure activity relationship, kinetics and molecular docking studies of 1â€“butanoylâ€“3â€“arylthiourea derivatives. International Journal of Biological Macromolecules, 2018, 116, 144-150.	7.5	30
17	Design and synthesis of 2,6-di(substituted phenyl)thiazolo[3,2-b]-1,2,4-triazoles as Î±-glucosidase and Î±-amylase inhibitors, co-relative Pharmacokinetics and 3D QSAR and risk analysis. Biomedicine and Pharmacotherapy, 2017, 94, 499-513.	5.6	29
18	Synthesis, computational studies and biological evaluation of new 1-acetyl-3-aryl thiourea derivatives as potent cholinesterase inhibitors. Medicinal Chemistry Research, 2017, 26, 1635-1646.	2.4	28

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19	Exploration of carboxy pyrazole derivatives: Synthesis, alkaline phosphatase, nucleotide pyrophosphatase/phosphodiesterase and nucleoside triphosphate diphosphohydrolase inhibition studies with potential anticancer profile. European Journal of Medicinal Chemistry, 2018, 156, 461-478.	5.5	28
20	Novel adamantyl clubbed iminothiazolidinones as promising elastase inhibitors: design, synthesis, molecular docking, ADMET and DFT studies. RSC Advances, 2022, 12, 11974-11991.	3.6	28
21	Isonicotinohydrazones as inhibitors of alkaline phosphatase and ectoâ€5â€²â€nucleotidase. Chemical Biology and Drug Design, 2017, 89, 365-370.	3.2	25
22	Synthesis of aryl pyrazole via Suzuki coupling reaction, in vitro mushroom tyrosinase enzyme inhibition assay and in silico comparative molecular docking analysis with Kojic acid. Bioorganic Chemistry, 2018, 79, 293-300.	4.1	25
23	Synthesis, enzyme inhibitory kinetics, and computational studies of novel 1â€(2â€(4â€isobutylphenyl)) Tj ETQq1 1 0.784314 rgBT /Ov 434-447.	3.2	24
24	Synthesis, antibacterial activity and molecular docking study of vanillin derived 1,4-disubstituted 1,2,3-triazoles as inhibitors of bacterial DNA synthesis. Heliyon, 2019, 5, e02812.	3.2	24
25	Developments in the synthesis of the antiplatelet and antithrombotic drug (S)â€clopidogrel. Chirality, 2017, 29, 684-707.	2.6	23
26	DABCOâ€“PEG ionic liquid-based synthesis of acridine analogous and its inhibitory activity on alkaline phosphatase. Synthetic Communications, 2018, 48, 462-472.	2.1	22
27	Drug-1,3,4-Thiadiazole Conjugates as Novel Mixed-Type Inhibitors of Acetylcholinesterase: Synthesis, Molecular Docking, Pharmacokinetics, and ADMET Evaluation. Molecules, 2019, 24, 860.	3.8	22
28	Hydrazine clubbed 1,3-thiazoles as potent urease inhibitors: design, synthesis and molecular docking studies. Molecular Diversity, 2021, 25, 1-13.	3.9	22
29	Synthesis, molecular docking and kinetic studies of novel quinolinyl based acyl thioureas as mushroom tyrosinase inhibitors and free radical scavengers. Bioorganic Chemistry, 2019, 90, 103063.	4.1	21
30	Synthesis, conformational studies and NBO analysis of (4-chloro-3,5-dimethyl-1H-pyrazol-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	3.6	21
31	Functionalized furo[3,2-c]coumarins as anti-proliferative, anti-lipolytic, and anti-inflammatory compounds: Synthesis and molecular docking studies. Journal of Molecular Structure, 2019, 1179, 390-400.	3.6	21
32	Spectroscopic, molecular docking and structural activity studies of (E)-Nâ€²-(substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (screening. Journal of Molecular Structure, 2017, 1139, 371-380.	3.6	20
33	An expedient synthesis of Nâ€(1â€(5â€mercaptoâ€4â€((substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 192 Td (b free radical scavengers: Kinetic mechanism and molecular docking studies. Chemical Biology and Drug Design, 2017, 90, 764-777.	3.2	20
34	Synthesis, X-ray crystal structure elucidation and Hirshfeld surface analysis of N-((4-(1H-benzo[d]imidazole-2-yl)phenyl)carbamothioyl)benzamide: investigations for elastase inhibition, antioxidant and DNA binding potentials for biological applications. RSC Advances, 2020, 10, 20837-20851.	3.6	20
35	Synthetic approaches towards the multi target drug spironolactone and its potent analogues/derivatives. Steroids, 2017, 118, 76-92.	1.8	19
36	One-pot four-component synthesis of thiazolidin-2-imines using CuI/ZnII dual catalysis: A new class of acetylcholinesterase inhibitors. Bioorganic Chemistry, 2019, 84, 518-528.	4.1	19

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37	Synthesis, X-ray, Hirshfeld surface analysis, exploration of DNA binding, urease enzyme inhibition and anticancer activities of novel adamantane-naphthyl thiourea conjugate. Bioorganic Chemistry, 2021, 109, 104707.	4.1	19
38	Dual Inhibition of AChE and BChE with the C-5 Substituted Derivative of Meldrumâ€™s Acid: Synthesis, Structure Elucidation, and Molecular Docking Studies. Crystals, 2017, 7, 211.	2.2	18
39	Synthesis, molecular docking and comparative efficacy of various alkyl/aryl thioureas as antibacterial, antifungal and l±-amylase inhibitors. Computational Biology and Chemistry, 2018, 77, 193-198.	2.3	18
40	WOWS Solâ€“Gel Based Synthesis and Structural, Morphological, Electrical and Magnetic Characterization of Co-Sm Doped M-Type Barium Hexaferrite Materials. Journal of Electronic Materials, 2018, 47, 7011-7022.	2.2	18
41	Design, synthesis and biological evaluation of trinary benzocoumarin-thiazoles-azomethines derivatives as effective and selective inhibitors of alkaline phosphatase. Bioorganic Chemistry, 2019, 91, 103137.	4.1	18
42	Bis-Schiff bases of 2,2â€²-dibromobenzidine as efficient corrosion inhibitors for mild steel in acidic medium. RSC Advances, 2020, 10, 4499-4511.	3.6	18
43	Synthesis and Molecular Docking Studies of (E)-4-(Substituted-benzylideneamino)-2H-Chromen-2-one Derivatives: Entry to New Carbonic Anhydrase Class Of Inhibitors. Drug Research, 2018, 68, 378-386.	1.7	17
44	Investigation on the effect of alkyl chain linked mono-thioureas as Jack bean urease inhibitors, SAR, pharmacokinetics ADMET parameters and molecular docking studies. Bioorganic Chemistry, 2019, 86, 473-481.	4.1	17
45	Synthesis, inhibition studies against AChE and BChE, drug-like profiling, kinetic analysis and molecular docking studies of N-(4-phenyl-3-aroyl-2(3H)-ylidene) substituted acetamides. Journal of Molecular Structure, 2020, 1203, 127459.	3.6	17
46	Aroylthiourea derivatives of ciprofloxacin drug as DNA binder: Theoretical, spectroscopic and electrochemical studies along with cytotoxicity assessment. Archives of Biochemistry and Biophysics, 2019, 666, 83-98.	3.0	16
47	Synthesis, computational studies and enzyme inhibitory kinetics of substituted tyrosinase inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 5929-5938.	3.0	15
48	Ibuprofen-thiadiazole hybrid compounds: Synthesis, vibrational analysis and molecular structure of 5-(1-(4-isobutylphenyl)ethyl)-1,3,4-thiadiazol-2-amine hydrochloride. Journal of Molecular Structure, 2019, 1179, 11-17.	3.6	15
49	Recent synthetic approaches to fipronil, a super-effective and safe pesticide. Research on Chemical Intermediates, 2016, 42, 6805-6813.	2.7	14
50	Investigations on Anticancer Potentials by DNA Binding and Cytotoxicity Studies for Newly Synthesized and Characterized Imidazolidine and Thiazolidine-Based Isatin Derivatives. Molecules, 2022, 27, 354.	3.8	14
51	Green Synthesis, Characterization and Electrochemical Behavior of New Thiazole Based Coumarinyl Scaffolds. Journal of Fluorescence, 2016, 26, 1067-1076.	2.5	13
52	Substituted (E)-2-(2-benzylidenehydrazinyl)-4-methylthiazole-5-carboxylates as dual inhibitors of 15-lipoxygenase & carbonic anhydrase II: synthesis, biochemical evaluation and docking studies. Biochemical and Biophysical Research Communications, 2017, 482, 176-181.	2.1	13
53	Recent Synthetic Approaches to 3,3â€²-(Methylene)bis(Coumarins). Organic Preparations and Procedures International, 2019, 51, 199-239.	1.3	12
54	Synthesis of sulfonamide, amide and amine hybrid pharmacophore, an entry of new class of carbonic anhydrase II inhibitors and evaluation of chemo-informatics and binding analysis. Bioorganic Chemistry, 2019, 86, 624-630.	4.1	12

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55	Structural and functional insight into thiazolidinone derivatives as novel candidates for anticancer drug design: in vitro biological and in-silico strategies. Journal of Biomolecular Structure and Dynamics, 2023, 41, 942-953.	3.5	12
56	A Green Mechanochemical Synthesis of New 3,5â€Dimethylâ€4â€(arylsulfanyl)pyrazoles. Journal of Heterocyclic Chemistry, 2017, 54, 780-783.	2.6	11
57	Application of Lawessonâ€™s reagent in the synthesis of sulfur-containing medicinally significant natural alkaloids. Journal of Sulfur Chemistry, 2017, 38, 206-227.	2.0	11
58	Synthesis, computational studies and enzyme inhibitory kinetics of benzothiazole-linked thioureas as mushroom tyrosinase inhibitors. Journal of Biomolecular Structure and Dynamics, 2021, 39, 7035-7043.	3.5	11
59	New aryl Schiff bases of thiadiazole derivative of ibuprofen as DNA binders and potential anticancer drug candidates. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3548-3564.	3.5	11
60	Exploring Amantadine Derivatives as Urease Inhibitors: Molecular Docking and Structureâ€“Activity Relationship (SAR) Studies. Molecules, 2021, 26, 7150.	3.8	11
61	Recent resurgence toward the oxidation of heteroatoms using dimethyldioxirane as an exquisite oxidant. Synthetic Communications, 2017, 47, 835-852.	2.1	10
62	A Review on the Scope of TFDO-Mediated Oxidation in Organic Synthesis-- Reactivity and Selectivity. Current Organic Synthesis, 2018, 15, 1091-1108.	1.3	10
63	Structure and surface analysis of ibuprofen-organotin conjugate: Potential anti-cancer drug candidacy of the compound is proven by in-vitro DNA binding and cytotoxicity studies. Polyhedron, 2020, 192, 114845.	2.2	9
64	An intramolecular 1,5-chalcogen bond on the conformational preference of carbonyl thiocarbamate species. New Journal of Chemistry, 2020, 44, 5243-5253.	2.8	9
65	Synthesis of novel (E)-1-(2-(2-(4(dimethylamino) benzylidene)) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (hydrazi Open Science, 2018, 5, 180837.	2.4	8
66	1-(2-Hydroxy-5-((trimethylsilyl)ethynyl)phenyl)ethanone based Î±,Î²-unsaturated derivatives an alternate to non-sulfonamide carbonic anhydrase II inhibitors, synthesis via Sonogashira coupling, binding analysis, Lipinskâ€™s rule validation. Bioorganic Chemistry, 2019, 84, 170-176.	4.1	8
67	Synthesis, structure elucidation and surface analysis of a new single crystal N-((2-(benzo [4,5]imidazo) Tj ETQq1 1 0.784314 rgBT /Ov studies. Journal of Molecular Structure, 2020, 1205, 127496.	3.6	8
68	Effect of organic solvents on solvatochromic, fluorescence, and electrochemical properties of synthesized thiazolylcoumarin derivatives. Luminescence, 2021, 36, 1189-1197.	2.9	8
69	Applications of Lawessonâ€™s reagent in the synthesis of naturally occurring steroids and terpenoids. Journal of Asian Natural Products Research, 2017, 19, 1114-1123.	1.4	7
70	The role of Lawesson's reagent in the total synthesis of macrocyclic natural products. Phosphorus, Sulfur and Silicon and the Related Elements, 2017, 192, 490-502.	1.6	7
71	Recent Progress in Pyridine Containing Heterocycles as High Performance Host Materials for Blue PHOLEDs. Mini-Reviews in Organic Chemistry, 2018, 15, 261-273.	1.3	7
72	Facile Access to 3,7-Dialkyltetrahydro-1H,5H-[1,2,4]triazolo[1,2-a][1,2,4]triazole-1,5-dithiones. Synlett, 2016, 27, 1371-1374.	1.8	6

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73	Synthesis of 4-aryl-2,6-dimethyl-3,5-bis-N-(aryl)-carbamoyl-1,4-dihydropyridines as novel skin protecting and anti-aging agents. Bangladesh Journal of Pharmacology, 2017, 12, 210-215.	0.4	6
74	Structure and surface analyses of a newly synthesized acyl thiourea derivative along with its in silico and in vitro investigations for RNR, DNA binding, urease inhibition and radical scavenging activities. RSC Advances, 2022, 12, 17194-17207.	3.6	6
75	Synthesis, characterization and cytotoxic studies of novel 1,2,4-triazole-azomethine conjugates. Journal of the Iranian Chemical Society, 2020, 17, 943-951.	2.2	5
76	Facile one-pot synthesis, butyrylcholinesterase and Î±-glucosidase inhibitory activities, structureâ€“activity relationship, molecular docking and DNAâ€“drug binding analysis of Meldrumâ€™s acid derivatives. Research on Chemical Intermediates, 2020, 46, 2437-2456.	2.7	5
77	Oxidative Semisynthesis of Natural Products with DMDO. Current Organic Chemistry, 2018, 22, 1836-1846.	1.6	5
78	Synthesis, Crystal Structure, Hirshfeld Surface Analysis, DFT, and DNA-Binding Studies of (E)-2-(3-Hydroxy-4-Methoxybenzylidene)Hydrazinecarbothioamide. Applied Biochemistry and Biotechnology, 2019, 189, 175-192.	2.9	4
79	Donor-Pi-Acceptor Fluorene Conjugates, Based on Chalcone and Pyrimidine Derivatives: an Insight into Structure-Property Relationship, Photophysical and Electrochemical Properties. Journal of Fluorescence, 2020, 30, 419-426.	2.5	4
80	N-(5-acetyl-4-methylthiazol-2-yl)arylamide derivatives as multi-target-directed ligands: design, synthesis, biochemical evaluation and computational analysis. Journal of Chemical Sciences, 2022, 134, 1.	1.5	4
81	Synthesis, crystal structure, Hirshfeld surface analysis and DNA binding studies of 1-((E)-3-(4-bromophenyl)-1-phenylallylidene)-2-(m-tolyl)hydrazine. Journal of Molecular Structure, 2019, 1189, 112-121.	3.6	3
82	Preparation, structure determination, and in silico and in vitro Elastase inhibitory properties of substituted N-([1,1â€²-Biphenyl]-2-ylcarbamothioyl)- Aryl/Alkyl benzamide Derivatives. Journal of Molecular Structure, 2021, 1245, 130993.	3.6	3
83	Azomethine-clubbed thiazoles as human tissue non-specific alkaline phosphatase (h-TNAP) and intestinal alkaline phosphatase (h-IAP) Inhibitors: kinetics and molecular docking studies. Molecular Diversity, 2022, 26, 3241-3254.	3.9	3
84	Appraisal of novel azomethineâ€“thioxoimidazolidinone conjugates as ecto-5â€²-nucleotidase inhibitors: synthesis and molecular docking studies. RSC Advances, 2022, 12, 17596-17606.	3.6	3
85	Sensitive and Selective â€œTurn-Onâ€•Chemodosimetric Probes for Fe3+ Based on a Skeleton of 2-Hydroxy-1-Naphthaldehyde. Journal of Fluorescence, 2017, 27, 2213-2221.	2.5	2
86	Synthesis of a Contrapositionally Substituted Cyclohexa-meta-phenylene: A Ready-to-Use Precursor for Cyclohexa-meta-phenylene-Based Materials. Synlett, 2019, 30, 1886-1890.	1.8	1
87	Identification of novel C-2 symmetric Bis-Azo-Azamethine molecules as competitive inhibitors of mushroom tyrosinase and free radical scavengers: synthesis, kinetics, and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4419-4428.	3.5	1
88	Benzimidazole tethered thioureas as a new entry to elastase inhibition and free radical scavenging: Synthesis, molecular docking, and enzyme inhibitory kinetics. Journal of Heterocyclic Chemistry, 2021, 58, 1929.	2.6	1
89	Identification of a novel click-derived 1,2,3-triazole as selective Hg2+ ion detector: computational and experimental investigations. Chemical Papers, 2021, 75, 6377-6388.	2.2	1
90	Single crystal, Hirshfeld surface, DFT analyses of (E)â€²â€(2â€chloroâ€6â€fluorobenzylidene)hydrazinecarbothioamide: Elastase inhibition and DNA binding studies. Journal of Physical Organic Chemistry, 0, , e4296.	1.9	1