

Pervaiz Ali Channar

List of Publications by Year in descending order

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90
papers

1,711
citations

279487

23
h-index

395343

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. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3664.	1.7	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. <i>European Journal of Medicinal Chemistry</i> , 2017, 141, 273-281.	2.6	75
3	Synthesis, theoretical, spectroscopic and electrochemical DNA binding investigations of 1, 3, 4-thiadiazole derivatives of ibuprofen and ciprofloxacin: Cancer cell line studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 104-118.	1.7	60
4	Synthesis, molecular docking studies of coumarinyl-pyrazolinyl substituted thiazoles as non-competitive inhibitors of mushroom tyrosinase. <i>Bioorganic Chemistry</i> , 2017, 74, 187-196.	2.0	56
5	General properties and comparison of the corrosion inhibition efficiencies of the triazole derivatives for mild steel. <i>Corrosion Reviews</i> , 2018, 36, 507-545.	1.0	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. <i>Molecules</i> , 2017, 22, 1352.	1.7	42
7	A Review on the Recent Trends in Synthetic Strategies and Applications of Xanthene Dyes. <i>Mini-Reviews in Organic Chemistry</i> , 2018, 15, 166-197.	0.6	40
8	Thiophene-based molecular and polymeric semiconductors for organic field effect transistors and organic thin film transistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17975-18010.	1.1	39
9	Novel C-2 Symmetric Molecules as α -Glucosidase and α -Amylase Inhibitors: Design, Synthesis, Kinetic Evaluation, Molecular Docking and Pharmacokinetics. <i>Molecules</i> , 2019, 24, 1511.	1.7	39
10	Hybrid Pharmacophoric Approach in the Design and Synthesis of Coumarin Linked Pyrazolinyl as Urease Inhibitors, Kinetic Mechanism and Molecular Docking. <i>Chemistry and Biodiversity</i> , 2017, 14, e1700035.	1.0	37
11	Enzyme inhibitory activities an insight into the structure-Activity relationship of biscoumarin derivatives. <i>European Journal of Medicinal Chemistry</i> , 2017, 141, 386-403.	2.6	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. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3707-3715.	1.4	35
13	New 1-octanoyl-3-aryl thiourea derivatives: Solvent-free synthesis, characterization and multi-target biological activities. <i>Bangladesh Journal of Pharmacology</i> , 2016, 11, 894.	0.1	32
14	Long chain 1-acyl-3-arylthioureas as jack bean urease inhibitors, synthesis, kinetic mechanism and molecular docking studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 77, 54-63.	2.7	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. <i>Drug Research</i> , 2017, 67, 596-605.	0.7	30
16	New cholinesterase inhibitors for Alzheimer's disease: Structure activity relationship, kinetics and molecular docking studies of 1-butanoyl-3-arylthiourea derivatives. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 144-150.	3.6	30
17	Design and synthesis of 2,6-di(substituted phenyl)thiazolo[3,2-b]-1,2,4-triazoles as α -glucosidase and α -amylase inhibitors, co-relative Pharmacokinetics and 3D QSAR and risk analysis. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 499-513.	2.5	29
18	Synthesis, computational studies and biological evaluation of new 1-acetyl-3-aryl thiourea derivatives as potent cholinesterase inhibitors. <i>Medicinal Chemistry Research</i> , 2017, 26, 1635-1646.	1.1	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. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 461-478.	2.6	28
20	Novel adamantyl clubbed iminothiazolidinones as promising elastase inhibitors: design, synthesis, molecular docking, ADMET and DFT studies. <i>RSC Advances</i> , 2022, 12, 11974-11991.	1.7	28
21	Isonicotinohydrazones as inhibitors of alkaline phosphatase and ecto-5'-nucleotidase. <i>Chemical Biology and Drug Design</i> , 2017, 89, 365-370.	1.5	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. <i>Bioorganic Chemistry</i> , 2018, 79, 293-300.	2.0	25
23	Synthesis, enzyme inhibitory kinetics, and computational studies of novel 1-(2-(4-isobutylphenyl)) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 227 Td (ban 434-447.	1.5	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. <i>Heliyon</i> , 2019, 5, e02812.	1.4	24
25	Developments in the synthesis of the antiplatelet and antithrombotic drug (<i>S</i>)â€lopidogrel. <i>Chirality</i> , 2017, 29, 684-707.	1.3	23
26	DABCOâ€PEG ionic liquid-based synthesis of acridine analogous and its inhibitory activity on alkaline phosphatase. <i>Synthetic Communications</i> , 2018, 48, 462-472.	1.1	22
27	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
28	Hydrazine clubbed 1,3-thiazoles as potent urease inhibitors: design, synthesis and molecular docking studies. <i>Molecular Diversity</i> , 2021, 25, 1-13.	2.1	22
29	Synthesis, molecular docking and kinetic studies of novel quinolinyl based acyl thioureas as mushroom tyrosinase inhibitors and free radical scavengers. <i>Bioorganic Chemistry</i> , 2019, 90, 103063.	2.0	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 1.8 21	1.8	21
31	Functionalized furo[3,2-c]coumarins as anti-proliferative, anti-lipolytic, and anti-inflammatory compounds: Synthesis and molecular docking studies. <i>Journal of Molecular Structure</i> , 2019, 1179, 390-400.	1.8	21
32	Spectroscopic, molecular docking and structural activity studies of (E)-Nâ€-(substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (ban screening. <i>Journal of Molecular Structure</i> , 2017, 1139, 371-380.	1.8	20
33	An expedient synthesis of <i>N</i>-â€(5-mercaptoâ€(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 192 Td (ban free radical scavengers: Kinetic mechanism and molecular docking studies. <i>Chemical Biology and Drug Design</i> , 2017, 90, 764-777.	1.5	20
34	Synthesis, X-ray crystal structure elucidation and Hirshfeld surface analysis of <i>N</i>-((4-(1H-benzod</i>imidazole-2-yl)phenyl)carbamothioyl)benzamide: investigations for elastase inhibition, antioxidant and DNA binding potentials for biological applications. <i>RSC Advances</i> , 2020, 10, 20837-20851.	1.7	20
35	Synthetic approaches towards the multi target drug spironolactone and its potent analogues/derivatives. <i>Steroids</i> , 2017, 118, 76-92.	0.8	19
36	One-pot four-component synthesis of thiazolidin-2-imines using CuI/ZnII dual catalysis: A new class of acetylcholinesterase inhibitors. <i>Bioorganic Chemistry</i> , 2019, 84, 518-528.	2.0	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. <i>Bioorganic Chemistry</i> , 2021, 109, 104707.	2.0	19
38	Dual Inhibition of AChE and BChE with the C-5 Substituted Derivative of Meldrum's Acid: Synthesis, Structure Elucidation, and Molecular Docking Studies. <i>Crystals</i> , 2017, 7, 211.	1.0	18
39	Synthesis, molecular docking and comparative efficacy of various alkyl/aryl thioureas as antibacterial, antifungal and \pm -amylase inhibitors. <i>Computational Biology and Chemistry</i> , 2018, 77, 193-198.	1.1	18
40	WOWS Sol-Gel Based Synthesis and Structural, Morphological, Electrical and Magnetic Characterization of Co-Sm Doped M-Type Barium Hexaferrite Materials. <i>Journal of Electronic Materials</i> , 2018, 47, 7011-7022.	1.0	18
41	Design, synthesis and biological evaluation of trinary benzocoumarin-thiazoles-azomethines derivatives as effective and selective inhibitors of alkaline phosphatase. <i>Bioorganic Chemistry</i> , 2019, 91, 103137.	2.0	18
42	Bis-Schiff bases of 2,2'-dibromobenzidine as efficient corrosion inhibitors for mild steel in acidic medium. <i>RSC Advances</i> , 2020, 10, 4499-4511.	1.7	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. <i>Drug Research</i> , 2018, 68, 378-386.	0.7	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. <i>Bioorganic Chemistry</i> , 2019, 86, 473-481.	2.0	17
45	Synthesis, inhibition studies against AChE and BChE, drug-like profiling, kinetic analysis and molecular docking studies of N-(4-phenyl-3-aryl-2(3H)-ylidene) substituted acetamides. <i>Journal of Molecular Structure</i> , 2020, 1203, 127459.	1.8	17
46	Aroylthiourea derivatives of ciprofloxacin drug as DNA binder: Theoretical, spectroscopic and electrochemical studies along with cytotoxicity assessment. <i>Archives of Biochemistry and Biophysics</i> , 2019, 666, 83-98.	1.4	16
47	Synthesis, computational studies and enzyme inhibitory kinetics of substituted tyrosinase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5929-5938.	1.4	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. <i>Journal of Molecular Structure</i> , 2019, 1179, 11-17.	1.8	15
49	Recent synthetic approaches to fipronil, a super-effective and safe pesticide. <i>Research on Chemical Intermediates</i> , 2016, 42, 6805-6813.	1.3	14
50	Investigations on Anticancer Potentials by DNA Binding and Cytotoxicity Studies for Newly Synthesized and Characterized Imidazolidine and Thiazolidine-Based Isatin Derivatives. <i>Molecules</i> , 2022, 27, 354.	1.7	14
51	Green Synthesis, Characterization and Electrochemical Behavior of New Thiazole Based Coumarinyl Scaffolds. <i>Journal of Fluorescence</i> , 2016, 26, 1067-1076.	1.3	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. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 176-181.	1.0	13
53	Recent Synthetic Approaches to 3,3'-(Methylene)bis(Coumarins). <i>Organic Preparations and Procedures International</i> , 2019, 51, 199-239.	0.6	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. <i>Bioorganic Chemistry</i> , 2019, 86, 624-630.	2.0	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. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 942-953.	2.0	12
56	A Green Mechanochemical Synthesis of New 3,5-Dimethyl-4-(arylsulfanyl)pyrazoles. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 780-783.	1.4	11
57	Application of Lawesson's reagent in the synthesis of sulfur-containing medicinally significant natural alkaloids. <i>Journal of Sulfur Chemistry</i> , 2017, 38, 206-227.	1.0	11
58	Synthesis, computational studies and enzyme inhibitory kinetics of benzothiazole-linked thioureas as mushroom tyrosinase inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 7035-7043.	2.0	11
59	New aryl Schiff bases of thiaziazole derivative of ibuprofen as DNA binders and potential anticancer drug candidates. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 3548-3564.	2.0	11
60	Exploring Amantadine Derivatives as Urease Inhibitors: Molecular Docking and Structure-Activity Relationship (SAR) Studies. <i>Molecules</i> , 2021, 26, 7150.	1.7	11
61	Recent resurgence toward the oxidation of heteroatoms using dimethyldioxirane as an exquisite oxidant. <i>Synthetic Communications</i> , 2017, 47, 835-852.	1.1	10
62	A Review on the Scope of TFDO-Mediated Oxidation in Organic Synthesis-- Reactivity and Selectivity. <i>Current Organic Synthesis</i> , 2018, 15, 1091-1108.	0.7	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. <i>Polyhedron</i> , 2020, 192, 114845.	1.0	9
64	An intramolecular 1,5-chalcogen bond on the conformational preference of carbonyl thiocarbamate species. <i>New Journal of Chemistry</i> , 2020, 44, 5243-5253.	1.4	9
65	Synthesis of novel 1-(2-(2-(4(dimethylamino) benzylidene)) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (hydrazin Open Science, 2018, 5, 180837.	1.1	8
66	1-(2-Hydroxy-5-((trimethylsilyl)ethynyl)phenyl)ethanone based 1,2-unsaturated derivatives an alternate to non-sulfonamide carbonic anhydrase II inhibitors, synthesis via Sonogashira coupling, binding analysis, Lipinski's rule validation. <i>Bioorganic Chemistry</i> , 2019, 84, 170-176.	2.0	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. <i>Journal of Molecular Structure</i> , 2020, 1205, 127496.	1.8	8
68	Effect of organic solvents on solvatochromic, fluorescence, and electrochemical properties of synthesized thiazolylcoumarin derivatives. <i>Luminescence</i> , 2021, 36, 1189-1197.	1.5	8
69	Applications of Lawesson's reagent in the synthesis of naturally occurring steroids and terpenoids. <i>Journal of Asian Natural Products Research</i> , 2017, 19, 1114-1123.	0.7	7
70	The role of Lawesson's reagent in the total synthesis of macrocyclic natural products. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 490-502.	0.8	7
71	Recent Progress in Pyridine Containing Heterocycles as High Performance Host Materials for Blue PHOLEDs. <i>Mini-Reviews in Organic Chemistry</i> , 2018, 15, 261-273.	0.6	7
72	Facile Access to 3,7-Dialkyltetrahydro-1H,5H-[1,2,4]triazolo[1,2-a][1,2,4]triazole-1,5-dithiones. <i>Synlett</i> , 2016, 27, 1371-1374.	1.0	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. <i>Bangladesh Journal of Pharmacology</i> , 2017, 12, 210-215.	0.1	6
74	Structure and surface analyses of a newly synthesized acyl thiourea derivative along with its <i>in silico</i> and <i>in vitro</i> investigations for RNR, DNA binding, urease inhibition and radical scavenging activities. <i>RSC Advances</i> , 2022, 12, 17194-17207.	1.7	6
75	Synthesis, characterization and cytotoxic studies of novel 1,2,4-triazole-azomethine conjugates. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 943-951.	1.2	5
76	Facile one-pot synthesis, butyrylcholinesterase and α -glucosidase inhibitory activities, structure-activity relationship, molecular docking and DNA-drug binding analysis of Meldrum's acid derivatives. <i>Research on Chemical Intermediates</i> , 2020, 46, 2437-2456.	1.3	5
77	Oxidative Semisynthesis of Natural Products with DMDO. <i>Current Organic Chemistry</i> , 2018, 22, 1836-1846.	0.9	5
78	Synthesis, Crystal Structure, Hirshfeld Surface Analysis, DFT, and DNA-Binding Studies of (E)-2-(3-Hydroxy-4-Methoxybenzylidene)Hydrazinecarbothioamide. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 175-192.	1.4	4
79	Donor-Pi-Acceptor Fluorene Conjugates, Based on Chalcone and Pyrimidine Derivatives: an Insight into Structure-Property Relationship, Photophysical and Electrochemical Properties. <i>Journal of Fluorescence</i> , 2020, 30, 419-426.	1.3	4
80	N-(5-acetyl-4-methylthiazol-2-yl)arylamide derivatives as multi-target-directed ligands: design, synthesis, biochemical evaluation and computational analysis. <i>Journal of Chemical Sciences</i> , 2022, 134, 1.	0.7	4
81	Synthesis, crystal structure, Hirshfeld surface analysis and DNA binding studies of 1-((E)-3-(4-bromophenyl)-1-phenylallylidene)-2-(m-tolyl)hydrazine. <i>Journal of Molecular Structure</i> , 2019, 1189, 112-121.	1.8	3
82	Preparation, structure determination, and <i>in silico</i> and <i>in vitro</i> Elastase inhibitory properties of substituted N-([1,1'-Biphenyl]-2-ylcarbamothioyl)-Aryl/Alkyl benzamide Derivatives. <i>Journal of Molecular Structure</i> , 2021, 1245, 130993.	1.8	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. <i>Molecular Diversity</i> , 2022, 26, 3241-3254.	2.1	3
84	Appraisal of novel azomethine-thioxoimidazolidinone conjugates as ecto-5'-nucleotidase inhibitors: synthesis and molecular docking studies. <i>RSC Advances</i> , 2022, 12, 17596-17606.	1.7	3
85	Sensitive and Selective Turn-On-Fluorimetric Probes for Fe ³⁺ Based on a Skeleton of 2-Hydroxy-1-Naphthaldehyde. <i>Journal of Fluorescence</i> , 2017, 27, 2213-2221.	1.3	2
86	Synthesis of a Contrapositively Substituted Cyclohexa-meta-phenylene: A Ready-to-Use Precursor for Cyclohexa-meta-phenylene-Based Materials. <i>Synlett</i> , 2019, 30, 1886-1890.	1.0	1
87	Identification of novel C-2 symmetric Bis-Azo-Azomethine molecules as competitive inhibitors of mushroom tyrosinase and free radical scavengers: synthesis, kinetics, and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4419-4428.	2.0	1
88	Benzimidazole tethered thioureas as a new entry to elastase inhibition and free radical scavenging: Synthesis, molecular docking, and enzyme inhibitory kinetics. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1929.	1.4	1
89	Identification of a novel click-derived 1,2,3-triazole as selective Hg ²⁺ ion detector: computational and experimental investigations. <i>Chemical Papers</i> , 2021, 75, 6377-6388.	1.0	1
90	Single crystal, Hirshfeld surface, DFT analyses of (E)-2-(2-(chloro-fluorobenzylidene)hydrazinecarbothioamide: Elastase inhibition and DNA binding studies. <i>Journal of Physical Organic Chemistry</i> , 0, , e4296.	0.9	1