Jamshed Iqbal

List of Publications by Year
in descending order

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139 papers	3,342 citations	147801 31 h-index	214800 47 g-index
139 all docs	139 docs citations	139 times ranked	3311 citing authors

#	Article	IF	Citations
1	Polyoxometalatesâ€"a new class of potent ecto-nucleoside triphosphate diphosphohydrolase (NTPDase) inhibitors. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 5943-5947.	2.2	167
2	Synthesis, biological assay in vitro and molecular docking studies of new Schiff base derivatives as potential urease inhibitors. European Journal of Medicinal Chemistry, 2011, 46, 5473-5479.	5.5	153
3	Therapeutic Potentials of Ectoâ€Nucleoside Triphosphate Diphosphohydrolase, Ectoâ€Nucleotide Pyrophosphatase/Phosphodiesterase, Ectoâ€5â€²â€Nucleotidase, and Alkaline Phosphatase Inhibitors. Medicinal Research Reviews, 2014, 34, 703-743.	10.5	90
4	Development of Potent and Selective Inhibitors of ecto-5â€²-Nucleotidase Based on an Anthraquinone Scaffold. Journal of Medicinal Chemistry, 2010, 53, 2076-2086.	6.4	88
5	A capillary electrophoresis method for the characterization of ecto-nucleoside triphosphate diphosphohydrolases (NTPDases) and the analysis of inhibitors by in-capillary enzymatic microreaction. Purinergic Signalling, 2005, 1, 349-358.	2.2	72
6	Synthesis, characterization, and anticancer activity of Schiff bases. Journal of Biomolecular Structure and Dynamics, 2020, 38, 3246-3259.	3.5	68
7	A highly sensitive CEâ€UV method with dynamic coating of silicaâ€fused capillaries for monitoring of nucleotide pyrophosphatase/phosphodiesterase reactions. Electrophoresis, 2008, 29, 3685-3693.	2.4	67
8	Structure-activity relationships of anthraquinone derivatives derived from bromaminic acid as inhibitors of ectonucleoside triphosphate diphosphohydrolases (E-NTPDases). Purinergic Signalling, 2009, 5, 91-106.	2.2	64
9	Polyoxometalates as potent and selective inhibitors of alkaline phosphatases with profound anticancer and amoebicidal activities. Dalton Transactions, 2012, 41, 14329.	3.3	63
10	Cytotoxicity and enzyme inhibition studies of polyoxometalates and their chitosan nanoassemblies. Toxicology Reports, 2014, 1, 341-352.	3.3	61
11	Solution-phase microwave assisted parallel synthesis of N,Nâ€²-disubstituted thioureas derived from benzoic acid: Biological evaluation and molecular docking studies. European Journal of Medicinal Chemistry, 2013, 70, 487-496.	5.5	58
12	Pluronic-Based Mixed Polymeric Micelles Enhance the Therapeutic Potential of Curcumin. AAPS PharmSciTech, 2018, 19, 2719-2739.	3.3	54
13	Synthesis, characterization and urease inhibition, in vitro anticancer and antileishmanial studies of Co(III) complexes with N,N,Nâ€²-trisubstituted acylthioureas. Inorganica Chimica Acta, 2016, 443, 69-77.	2.4	48
14	Recent advances with alkaline phosphatase isoenzymes and their inhibitors. Archiv Der Pharmazie, 2020, 353, e2000011.	4.1	48
15	New aminobenzenesulfonamideâ€"thiourea conjugates: Synthesis and carbonic anhydrase inhibition and docking studies. European Journal of Medicinal Chemistry, 2014, 78, 140-150.	5.5	46
16	Coumarin-thiazole and -oxadiazole derivatives: Synthesis, bioactivity and docking studies for aldose/aldehyde reductase inhibitors. Bioorganic Chemistry, 2016, 68, 177-186.	4.1	46
17	Exploration of a library of triazolothiadiazole and triazolothiadiazine compounds as a highly potent and selective family of cholinesterase and monoamine oxidase inhibitors: design, synthesis, X-ray diffraction analysis and molecular docking studies. RSC Advances, 2015, 5, 21249-21267.	3.6	45
18	Synthesis, characterization and urease inhibition, in vitro anticancer and antileishmanial studies of Ni(II) complexes with N,N,Nâ€²-trisubstituted thioureas. Journal of Biological Inorganic Chemistry, 2015, 20, 541-554.	2.6	45

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19	Synthesis, cytotoxicity and molecular modelling studies of new phenylcinnamide derivatives as potent inhibitors of cholinesterases. European Journal of Medicinal Chemistry, 2014, 78, 43-53.	5.5	44
20	Capillary electrophoresis-based nanoscale assays for monitoring ecto-5â€²-nucleotidase activity and inhibition in preparations of recombinant enzyme and melanoma cell membranes. Analytical Biochemistry, 2008, 373, 129-140.	2.4	43
21	Selective Nucleoside Triphosphate Diphosphohydrolase-2 (NTPDase2) Inhibitors: Nucleotide Mimetics Derived from Uridine-5â€²-carboxamide. Journal of Medicinal Chemistry, 2008, 51, 4518-4528.	6.4	43
22	Facile and expedient access to bis-coumarinâ€“iminothiazole hybrids by molecular hybridization approach: synthesis, molecular modelling and assessment of alkaline phosphatase inhibition, anticancer and antileishmanial potential. RSC Advances, 2015, 5, 89919-89931.	3.6	42
23	New one-pot synthesis of N-fused isoquinoline derivatives by palladium-catalyzed Câ€“H arylation: potent inhibitors of nucleotide pyrophosphatase-1 and -3. Organic and Biomolecular Chemistry, 2016, 14, 11402-11414.	2.8	42
24	Benzoxazinone-thiosemicarbazones as antidiabetic leads via aldose reductase inhibition: Synthesis, biological screening and molecular docking study. Bioorganic Chemistry, 2019, 87, 857-866.	4.1	40
25	Diarylsulfonamides and their bioisosteres as dual inhibitors of alkaline phosphatase and carbonic anhydrase: Structure activity relationship and molecular modelling studies. Bioorganic and Medicinal Chemistry, 2015, 23, 2435-2444.	3.0	39
26	Development of off-line and on-line capillary electrophoresis methods for the screening and characterization of adenosine kinase inhibitors and substrates. Electrophoresis, 2006, 27, 2505-2517.	2.4	38
27	Inhibition of Alkaline Phosphatase: An Emerging New Drug Target. Mini-Reviews in Medicinal Chemistry, 2015, 15, 41-51.	2.4	38
28	Novel structural hybrids of pyrazolobenzothiazines with benzimidazoles as cholinesterase inhibitors. European Journal of Medicinal Chemistry, 2014, 78, 106-117.	5.5	34
29	Identification of sulfonic acids as efficient ecto-5â€²-nucleotidase inhibitors. European Journal of Medicinal Chemistry, 2013, 70, 685-691.	5.5	33
30	Cholinesterases inhibition and molecular modeling studies of piperidyl-thienyl and 2-pyrazoline derivatives of chalcones. Biochemical and Biophysical Research Communications, 2017, 482, 615-624.	2.1	33
31	Identification of novel chromone based sulfonamides as highly potent and selective inhibitors of alkaline phosphatases. European Journal of Medicinal Chemistry, 2013, 66, 438-449.	5.5	32
32	Investigation of quinoline-4-carboxylic acid as a highly potent scaffold for the development of alkaline phosphatase inhibitors: synthesis, SAR analysis and molecular modelling studies. RSC Advances, 2015, 5, 64404-64413.	3.6	32
33	Novel pH responsive supramolecular hydrogels of chitosan hydrochloride and polyoxometalate: In-vitro, in-vivo and preliminary safety evaluation. International Journal of Pharmaceutics, 2017, 533, 125-137.	5.2	32
34	Solution-phase microwave assisted parallel synthesis, biological evaluation and in silico docking studies of N,Nâ€²-disubstituted thioureas derived from 3-chlorobenzoic acid. Bioorganic and Medicinal Chemistry, 2016, 24, 4452-4463.	3.0	31
35	Synthesis, alkaline phosphatase inhibition studies and molecular docking of novel derivatives of 4-quinolones. European Journal of Medicinal Chemistry, 2017, 126, 408-420.	5.5	30
36	Unraveling the Alkaline Phosphatase Inhibition, Anticancer, and Antileishmanial Potential of Coumarinâ€“Triazolothiadiazine Hybrids: Design, Synthesis, and Molecular Docking Analysis. Archiv Der Pharmazie, 2016, 349, 553-565.	4.1	29

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37	Synthesis of 2-arylated thiadiazolopyrimidones by Suzukiâ€“Miyaura cross-coupling: a new class of nucleotide pyrophosphatase (NPPs) inhibitors. RSC Advances, 2016, 6, 107556-107571.	3.6	28
38	A domino reaction of 3-chlorochromones with aminoheterocycles. Synthesis of pyrazolopyridines and benzofuropyridines and their optical and ecto-5â€²-nucleotidase inhibitory effects. Organic and Biomolecular Chemistry, 2018, 16, 717-732.	2.8	28
39	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
40	High-sensitivity capillary electrophoresis method for monitoring purine nucleoside phosphorylase and adenosine deaminase reactions by a reversed electrode polarity switching mode. Journal of Chromatography A, 2011, 1218, 4764-4771.	3.7	26
41	The role of naked fluoride ion as base or catalyst in organic synthesis. Tetrahedron, 2016, 72, 2763-2812.	1.9	26
42	Sulfonyl hydrazones derived from 3-formylchromone as non-selective inhibitors of MAO-A and MAO-B: Synthesis, molecular modelling and in-silico ADME evaluation. Bioorganic Chemistry, 2017, 75, 291-302.	4.1	26
43	Synthesis, monoamine oxidase inhibition activity and molecular docking studies of novel 4-hydroxy-Nâ€²-[benzylidene or 1-phenylethylidene]-2-H/methyl/benzyl-1,2-benzothiazine-3-carbohydrazide 1,1-dioxides. European Journal of Medicinal Chemistry, 2018, 143, 1373-1386.	5.5	26
44	Synthesis of 3,3â€²-carbonyl-bis(chromones) and their activity as mammalian alkaline phosphatase inhibitors. Organic and Biomolecular Chemistry, 2016, 14, 495-502.	2.8	25
45	Coumarin sulfonates: New alkaline phosphatase inhibitors; inÂvitro and in silico studies. European Journal of Medicinal Chemistry, 2017, 131, 29-47.	5.5	25
46	Isonicotinohydrazones as inhibitors of alkaline phosphatase and ectoâ€5â€²â€nucleotidase. Chemical Biology and Drug Design, 2017, 89, 365-370.	3.2	25
47	Synthesis of chitosan-coated polyoxometalate nanoparticles against cancer and its metastasis. RSC Advances, 2015, 5, 93234-93242.	3.6	24
48	Semicarbazone derivatives as urease inhibitors: Synthesis, biological evaluation, molecular docking studies and in-silico ADME evaluation. Bioorganic Chemistry, 2018, 79, 19-26.	4.1	24
49	Development and validation of a capillary electrophoresis method for the characterization of herpes simplex virus type 1 (HSV-1) thymidine kinase substrates and inhibitors. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 846, 281-290.	2.3	23
50	Antidiabetic potential of polyoxotungstates: in vitro and in vivo studies. Metallomics, 2014, 6, 1521-1526.	2.4	23
51	Efficient one-pot synthesis of 5-perfluoroalkylpyrazoles by cyclization of hydrazone dianions. Organic and Biomolecular Chemistry, 2015, 13, 8277-8290.	2.8	23
52	Influence of the diversified structural variations at the imine functionality of 4-bromophenylacetic acid derived hydrazones on alkaline phosphatase inhibition: synthesis and molecular modelling studies. RSC Advances, 2015, 5, 90806-90818.	3.6	23
53	2-Alkoxy-3-(sulfonylarylaminomethylene)-chroman-4-ones as potent and selective inhibitors of ectonucleotidases. European Journal of Medicinal Chemistry, 2016, 115, 484-494.	5.5	23
54	Quinolinyl-Thienyl Chalcones as Monoamine Oxidase Inhibitors and their In Silico Modeling Studies. Medicinal Chemistry, 2015, 11, 580-589.	1.5	23

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55	Carbonic anhydrase inhibition by 1-aroyl-3-(4-aminosulfonylphenyl)thioureas. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 901-905.	5.2	22
56	Synthesis, molecular modelling and biological evaluation of tetrasubstituted thiazoles towards cholinesterase enzymes and cytotoxicity studies. Bioorganic Chemistry, 2018, 78, 141-148.	4.1	21
57	Development and In vitro Anticancer Evaluation of Selfâ€Assembled Supramolecular pH Responsive Hydrogels of Carboxymethyl Chitosan and Polyoxometalate. ChemistrySelect, 2018, 3, 1472-1479.	1.5	21
58	Quinoline containing chalcone derivatives as cholinesterase inhibitors and their in silico modeling studies. Computational Biology and Chemistry, 2018, 76, 310-317.	2.3	21
59	Exploring antidiabetic potential of adamantyl-thiosemicarbazones via aldose reductase (ALR2) inhibition. Bioorganic Chemistry, 2019, 92, 103244.	4.1	21
60	Synthesis, characterization and biological evaluation of novel chalcone sulfonamide hybrids as potent intestinal alkaline phosphatase inhibitors. Bioorganic Chemistry, 2017, 70, 229-236.	4.1	20
61	4-Aminopyridine based amide derivatives as dual inhibitors of tissue non-specific alkaline phosphatase and ecto-5â€²-nucleotidase with potential anticancer activity. Bioorganic Chemistry, 2018, 76, 237-248.	4.1	20
62	Carbonic anhydrase inhibition of Schiff base derivative of imino-methyl-naphthalen-2-ol: Synthesis, structure elucidation, molecular docking, dynamic simulation and density functional theory calculations. Journal of Molecular Structure, 2018, 1156, 193-200.	3.6	20
63	Exploration of quinolone and quinoline derivatives as potential anticancer agents. DARU, Journal of Pharmaceutical Sciences, 2019, 27, 613-626.	2.0	20
64	Synthesis, biological evaluation, and docking studies of new pyrazole-based thiourea and sulfonamide derivatives as inhibitors of nucleotide pyrophosphatase/phosphodiesterase. Bioorganic Chemistry, 2020, 99, 103783.	4.1	20
65	Molecular dynamic simulations reveal structural insights into substrate and inhibitor binding modes and functionality of Ecto-Nucleoside Triphosphate Diphosphohydrolases. Scientific Reports, 2018, 8, 2581.	3.3	19
66	Investigation of potent inhibitors of cholinesterase based on thiourea and pyrazoline derivatives: Synthesis, inhibition assay and molecular modeling studies. Bioorganic Chemistry, 2019, 90, 103036.	4.1	19
67	Schiff bases of tryptamine as potent inhibitors of nucleoside triphosphate diphosphohydrolases (NTPDases): Structure-activity relationship. Bioorganic Chemistry, 2019, 82, 253-266.	4.1	19
68	Monoamine Oxidase Inhibition and Molecular Modeling Studies of Piperidyl-thienyl and 2-Pyrazoline Derivatives of Chalcones. Medicinal Chemistry, 2015, 11, 497-505.	1.5	19
69	Identification of Small Molecule Sulfonic Acids as Ecto-5'-Nucleotidase Inhibitors. Medicinal Chemistry, 2012, 8, 1133-1139.	1.5	19
70	Benzothiazolyl substituted iminothiazolidinones and benzamido-oxothiazolidines as potent and partly selective aldose reductase inhibitors. MedChemComm, 2014, 5, 1371-1380.	3.4	18
71	Synthesis, biological evaluation and docking studies of some novel isatin-3-hydrazonothiazolines. RSC Advances, 2016, 6, 60826-60844.	3.6	18
72	Pyrazolobenzothiazine-based carbothioamides as new structural leads for the inhibition of monoamine oxidases: design, synthesis, in vitro bioevaluation and molecular docking studies. MedChemComm, 2017, 8, 452-464.	3.4	18

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73	Exploration of thioxothiazolidinoneâ€“sulfonate conjugates as a new class of aldehyde/aldose reductase inhibitors: A synthetic and computational investigation. Bioorganic Chemistry, 2017, 75, 1-15.	4.1	18
74	Identification of new potent inhibitor of aldose reductase from Ocimum basilicum. Bioorganic Chemistry, 2017, 75, 62-70.	4.1	18
75	Exploration of aroyl/heteroaroyl iminothiazolines featuring 2,4,5-trichlorophenyl moiety as a new class of potent, selective, and in vitro efficacious glucosidase inhibitors. Bioorganic Chemistry, 2017, 74, 134-144.	4.1	18
76	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
77	Symmetrical aryl linked bis-iminothiazolidinones as new chemical entities for the inhibition of monoamine oxidases: Synthesis, in vitro biological evaluation and molecular modelling analysis. Bioorganic Chemistry, 2017, 70, 17-26.	4.1	17
78	Synthesis, biological evaluation, and molecular docking study of sulfonate derivatives as nucleotide pyrophosphatase/phosphodiesterase (NPP) inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 2741-2752.	3.0	17
79	Investigation of new quinoline derivatives as promising inhibitors of NTPDases: Synthesis, SAR analysis and molecular docking studies. Bioorganic Chemistry, 2019, 87, 218-226.	4.1	17
80	Synthesis of biphenyl oxazole derivatives via Suzuki coupling and biological evaluations as nucleotide pyrophosphatase/phosphodiesterase-1 and -3 inhibitors. European Journal of Medicinal Chemistry, 2020, 208, 112759.	5.5	17
81	Synthesis, characterization, in vitro tissue-nonspecific alkaline phosphatase (TNAP) and intestinal alkaline phosphatase (IAP) inhibition studies and computational evaluation of novel thiazole derivatives. Bioorganic Chemistry, 2020, 102, 104088.	4.1	17
82	Domino Reactions of Chromoneâ€3â€carboxylic Acids with Aminoheterocycles: Synthesis of Heteroannulated Pyrido[2,3â€c]coumarins and their Optical and Biological Activity. European Journal of Organic Chemistry, 2017, 2017, 7148-7159.	2.4	16
83	Hybrid compounds from chalcone and 1,2-benzothiazine pharmacophores as selective inhibitors of alkaline phosphatase isozymes. European Journal of Medicinal Chemistry, 2018, 159, 282-291.	5.5	16
84	Sulfa Drugs as Inhibitors of Carbonic Anhydrase: New Targets for the Old Drugs. BioMed Research International, 2014, 2014, 1-10.	1.9	15
85	Synthesis, characterization, monoamine oxidase inhibition, molecular docking and dynamic simulations of novel 2,1-benzothiazine-2,2-dioxide derivatives. Bioorganic Chemistry, 2018, 80, 498-510.	4.1	15
86	Tricyclic coumarin sulphonate derivatives with alkaline phosphatase inhibitory effects: in vitro and docking studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 479-484.	5.2	15
87	Development of coumarin-thiosemicarbazone hybrids as aldose reductase inhibitors: Biological assays, molecular docking, simulation studies and ADME evaluation. Bioorganic Chemistry, 2021, 115, 105164.	4.1	15
88	Synthesis, X-ray crystal and monoamine oxidase inhibitory activity of 4,6-dihydrobenzo[c]pyrano[2,3-e][1,2]thiazine 5,5-dioxides: In vitro studies and docking analysis. European Journal of Pharmaceutical Sciences, 2019, 131, 9-22.	4.0	14
89	Polyethyleneimineâ€Polyoxometalateâ€Based Supramolecular Selfâ€assembled pHâ€Responsive Hydrogels: Formulation and in vitro Evaluation. ChemistrySelect, 2017, 2, 5905-5912.	1.5	14
90	Diversity oriented synthesis of 6-nitro- and 6-aminoquinolones and their activity as alkaline phosphatase inhibitors. RSC Advances, 2015, 5, 60054-60078.	3.6	13

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91	Novel gelatin-polyoxometalate based self-assembled pH responsive hydrogels: formulation and in vitro characterization. Designed Monomers and Polymers, 2016, 19, 697-705.	1.6	13
92	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
93	Detailed investigation of anticancer activity of sulfamoyl benz(sulfon)amides and 1Hâ€“pyrazolâ€“4â€“yl benzamides: An experimental and computational study. European Journal of Pharmacology, 2018, 832, 11-24.	3.5	13
94	Sulfonylhydrazones: Design, synthesis and investigation of ectonucleotidase (ALP & e5â€²NT) inhibition activities. Bioorganic Chemistry, 2020, 100, 103827.	4.1	13
95	Development of a microbioreactor with ecto-nucleoside triphosphate diphosphohydrolase 2 (NTPDase2) immobilized on a polyacrylamide-coated capillary at the outlet. Journal of Chromatography A, 2010, 1217, 600-604.	3.7	12
96	Facile dimethyl amino group triggered cyclic sulfonamides synthesis and evaluation as alkaline phosphatase inhibitors. Bioorganic Chemistry, 2017, 71, 10-18.	4.1	12
97	Fluoro-benzimidazole derivatives to cure Alzheimerâ€™s disease: In-silico studies, synthesis, structure-activity relationship and in vivo evaluation for Î² secretase enzyme inhibition. Bioorganic Chemistry, 2019, 88, 102936.	4.1	12
98	Synthesis of Sulfonamide Tethered (Hetero)aryl ethylidenes as Potential Inhibitors of P2X Receptors: A Promising Way for the Treatment of Pain and Inflammation. ACS Omega, 2021, 6, 25062-25075.	3.5	12
99	Solution-phase microwave assisted parallel synthesis, biological evaluation and in silico docking studies of 2-chlorobenzoyl thioureas derivatives. Journal of Molecular Structure, 2018, 1164, 354-362.	3.6	11
100	Semicarbazones, thiosemicarbazone, thiazole and oxazole analogues as monoamine oxidase inhibitors: Synthesis, characterization, biological evaluation, molecular docking, and kinetic studies. Bioorganic Chemistry, 2021, 115, 105209.	4.1	11
101	2-Substituted 7-trifluoromethyl-thiadiazolopyrimidones as alkaline phosphatase inhibitors. Synthesis, structure activity relationship and molecular docking study. European Journal of Medicinal Chemistry, 2018, 144, 116-127.	5.5	10
102	New triorganotin(<scp>iv</scp>) compounds with aromatic carboxylate ligands: synthesis and evaluation of the pro-apoptotic mechanism. RSC Advances, 2021, 11, 4499-4514.	3.6	10
103	Evaluation of sulfonate and sulfamate derivatives possessing benzofuran or benzothiophene nucleus as inhibitors of nucleotide pyrophosphatases/phosphodiesterases and anticancer agents. Bioorganic Chemistry, 2020, 104, 104305.	4.1	9
104	Synthesis, Characterization, and In Silico Studies of Novel Spirooxindole Derivatives as Ecto-5â€²-Nucleotidase Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 2397-2405.	2.8	9
105	Bisthioureas of pimelic acid and 4-methylsalicylic acid derivatives as selective inhibitors of tissue-nonspecific alkaline phosphatase (TNAP) and intestinal alkaline phosphatase (IAP): Synthesis and molecular docking studies. Bioorganic Chemistry, 2020, 101, 103996.	4.1	9
106	Purinergic receptors modulators: An emerging pharmacological tool for disease management. Medicinal Research Reviews, 2022, 42, 1661-1703.	10.5	9
107	Synthesis of novel (E)-1-(2-(2-(4(dimethylamino) benzylidene)) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (hydrazi Open Science, 2018, 5, 180837.	2.4	8
108	Triorganotin (IV) carboxylates as potential anticancer agents: Their synthesis, physiochemical characterization, and cytotoxic activity against HeLa and MCFâ€7 cancer cells. Applied Organometallic Chemistry, 2021, 35, e6165.	3.5	8

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109	Functionalized Oxoindolin Hydrazine Carbothioamide Derivatives as Highly Potent Inhibitors of Nucleoside Triphosphate Diphosphohydrolases. Frontiers in Pharmacology, 2020, 11, 585876.	3.5	7
110	Exploring synthetic and therapeutic prospects of new thiazoline derivatives as aldose reductase (ALR2) inhibitors. RSC Advances, 2021, 11, 17259-17282.	3.6	7
111	An efficient synthetic approach toward a sporadic heterocyclic scaffold: 1,3-Oxathiol-2-ylidenes; alkaline phosphatase inhibition and molecular docking studies. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127238.	2.2	7
112	Cytotoxicity, Pro-apoptotic Activity and in silico Studies of Dithiocarbamates and their Structure Based Design and SAR Studies. Medicinal Chemistry, 2019, 15, 892-902.	1.5	7
113	Design and synthesis of adamantane-1-carbonyl thiourea derivatives as potent and selective inhibitors of h-P2X4 and h-P2X7 receptors: An Emerging therapeutic tool for treatment of inflammation and neurological disorders. European Journal of Medicinal Chemistry, 2022, 231, 114162.	5.5	7
114	Development and exploration of novel substituted thiosemicarbazones as inhibitors of aldose reductase via in vitro analysis and computational study. Scientific Reports, 2022, 12, 5734.	3.3	7
115	Anticancer evaluation of a manganese complex on HeLa and MCF-7 cancer cells: design, deterministic solvothermal synthesis approach, Hirshfeld analysis, DNA binding, intracellular reactive oxygen species production, electrochemical characterization and density functional theory. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1068-1081.	3.5	6
116	Synthesis, In-vitro evaluation and molecular docking studies of oxoindolin phenylhydrazine carboxamides as potent and selective inhibitors of ectonucleoside triphosphate diphosphohydrolase (NTPDase). Bioorganic Chemistry, 2021, 112, 104957.	4.1	6
117	Divergent synthesis and elaboration of structure activity relationship for quinoline derivatives as highly selective NTPDase inhibitor. Bioorganic Chemistry, 2021, 115, 105240.	4.1	6
118	Expanding the Alkaline Phosphatase Inhibition, Cytotoxic and Proapoptotic Profile of Biscoumarinâ€Iminothiazole and Coumarinâ€Triazolothiadiazine Conjugates. ChemistrySelect, 2018, 3, 13377-13386.	1.5	5
119	Datura suaveolens and Verbena tenuisecta mediated silver nanoparticles, their photodynamic cytotoxic and antimicrobial evaluation. World Journal of Microbiology and Biotechnology, 2020, 36, 31.	3.6	5
120	Synthesis and antitumor activities of novel Mannich base derivatives derived from natural flavonoids. , 2021, , .		5
121	Therapeutic potentials and structure-activity relationship of 1,3-benzodioxole N-carbamothioyl carboxamide derivatives as selective and potent antagonists of P2X4 and P2X7 receptors. European Journal of Medicinal Chemistry, 2022, 238, 114491.	5.5	5
122	Ectonucleotidases: Potential Target in Drug Discovery and Development. Mini-Reviews in Medicinal Chemistry, 2019, 19, 866-869.	2.4	4
123	Synthesis and Nucleotide Pyrophosphatase/Phosphodiesterase Inhibition Studies of Carbohydrazides Based on Benzimidazoleâ€Benzothiazine Skeleton. ChemistrySelect, 2020, 5, 14399-14407.	1.5	4
124	Biological Evaluation of Newly Synthesized Biaryl Guanidine Derivatives to Arrest Î²-Secretase Enzymatic Activity Involved in Alzheimerâ€™s Disease. BioMed Research International, 2020, 2020, 1-11.	1.9	4
125	Highly Potent and Selective Ectonucleoside Triphosphate Diphosphohydrolase (ENTPDase1, 2, 3 and 8) Inhibitors Having 2-substituted-7- trifluoromethyl-thiadiazolopyrimidones Scaffold. Medicinal Chemistry, 2020, 16, 689-702.	1.5	4
126	Synthesis of chromeno[2,3-c]pyrrol-9(2H)-ones by domino reactions of amino acids with ynones. Chemistry of Heterocyclic Compounds, 2019, 55, 465-468.	1.2	3

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127	Synthesis, Carbonic Anhydrase II/IX/XII Inhibition, DFT, and Molecular Docking Studies of Hydrazide-Sulfonamide Hybrids of 4-Methylsalicyl- and Acyl-Substituted Hydrazide. BioMed Research International, 2022, 2022, 1-16.	1.9	3
128	Distinctive inhibition of alkaline phosphatase isozymes by thiazolâ€2â€ylideneâ€benzamide derivatives: Functional insights into their anticancer role. Journal of Cellular Biochemistry, 2018, 119, 6501-6513.	2.6	2
129	Urease inhibitory kinetics, molecular docking, SAR and ADME studies of imine analogues. New Journal of Chemistry, 0, , .	2.8	2
130	Utilization of transition metal fluoride-based solid support catalysts for the synthesis of sulfonamides: carbonic anhydrase inhibitory activity and in silico study. RSC Advances, 2022, 12, 3165-3179.	3.6	2
131	Editorial: Metalloenzymes: Potential Drug Targets. Frontiers in Pharmacology, 2021, 12, 746925.	3.5	2
132	Identification of Small Molecule Sulfonic Acids as Ecto-5'-Nucleotidase Inhibitors. Medicinal Chemistry, 2012, 8, 1133-1139.	1.5	1
133	Synthesis of functionalised fluorinated pyridine derivatives by site-selective Suzuki-Miyaura cross-coupling reactions of halogenated pyridines. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 263-279.	0.7	1
134	Identification of New Chromenone Derivatives as Cholinesterase Inhibitors and Molecular Docking Studies. Medicinal Chemistry, 2018, 14, 809-817.	1.5	1
135	Molecular and functional analysis of naphthaleneâ€degrading bacteria isolated from the effluents of indigenous tanneries. Journal of Basic Microbiology, 2021, 61, 627-641.	3.3	1
136	Detection of novel infiltrating ductal carcinoma-associated BReast CAncer gene 2 mutations which alter the deoxyribonucleic acid-binding ability of BReast CAncer gene 2 protein. Journal of Cancer Research and Therapeutics, 2020, 16, 1402.	0.9	1
137	Synthesis, characterization and biological evaluation of thiadiazole amide derivatives as nucleoside triphosphate diphosphohydrolases (NTPDases) inhibitors. Bioorganic Chemistry, 2022, 118, 105456.	4.1	1
138	Synthesis and Biological Evaluation of Amoxicillin Loaded Hybrid Material Composite Spheres Against Methicillin-Resistant Staphylococcus aureus. Current Pharmaceutical Biotechnology, 2021, 22, 686-696.	1.6	0
139	Editorial: Metalloenzymes: Potential Drug Targets. Frontiers in Pharmacology, 2021, 12, 746925.	3.5	0