

Jamshed Iqbal

List of Publications by Year in descending order

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139
papers

3,342
citations

147786

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all docs

139
docs citations

139
times ranked

3311
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and biological evaluation of thiadiazole amide derivatives as nucleoside triphosphate diphosphohydrolases (NTPDases) inhibitors. <i>Bioorganic Chemistry</i> , 2022, 118, 105456.	4.1	1
2	Utilization of transition metal fluoride-based solid support catalysts for the synthesis of sulfonamides: carbonic anhydrase inhibitory activity and in silico study. <i>RSC Advances</i> , 2022, 12, 3165-3179.	3.6	2
3	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. <i>European Journal of Medicinal Chemistry</i> , 2022, 231, 114162.	5.5	7
4	Development and exploration of novel substituted thiosemicarbazones as inhibitors of aldose reductase via in vitro analysis and computational study. <i>Scientific Reports</i> , 2022, 12, 5734.	3.3	7
5	Synthesis, Carbonic Anhydrase II/IX/XII Inhibition, DFT, and Molecular Docking Studies of Hydrazide-Sulfonamide Hybrids of 4-Methylsalicyl- and Acyl-Substituted Hydrazide. <i>BioMed Research International</i> , 2022, 2022, 1-16.	1.9	3
6	Purinergic receptors modulators: An emerging pharmacological tool for disease management. <i>Medicinal Research Reviews</i> , 2022, 42, 1661-1703.	10.5	9
7	Therapeutic potentials and structure-activity relationship of 1,3-benzodioxole N-carbamothioyl carboxamide derivatives as selective and potent antagonists of P2X4 and P2X7 receptors. <i>European Journal of Medicinal Chemistry</i> , 2022, 238, 114491.	5.5	5
8	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. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1068-1081.	3.5	6
9	New triorganotin(IV) compounds with aromatic carboxylate ligands: synthesis and evaluation of the pro-apoptotic mechanism. <i>RSC Advances</i> , 2021, 11, 4499-4514.	3.6	10
10	Triorganotin(IV) carboxylates as potential anticancer agents: Their synthesis, physicochemical characterization, and cytotoxic activity against HeLa and MCF-7 cancer cells. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6165.	3.5	8
11	Synthesis and Biological Evaluation of Amoxicillin Loaded Hybrid Material Composite Spheres Against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 686-696.	1.6	0
12	Synthesis, In-vitro evaluation and molecular docking studies of oxindolin phenylhydrazine carboxamides as potent and selective inhibitors of ectonucleoside triphosphate diphosphohydrolase (NTPDase). <i>Bioorganic Chemistry</i> , 2021, 112, 104957.	4.1	6
13	Molecular and functional analysis of naphthalene-degrading bacteria isolated from the effluents of indigenous tanneries. <i>Journal of Basic Microbiology</i> , 2021, 61, 627-641.	3.3	1
14	Synthesis of Sulfonamide Tethered (Hetero)aryl ethylidenes as Potential Inhibitors of P2X Receptors: A Promising Way for the Treatment of Pain and Inflammation. <i>ACS Omega</i> , 2021, 6, 25062-25075.	3.5	12
15	Divergent synthesis and elaboration of structure activity relationship for quinoline derivatives as highly selective NTPDase inhibitor. <i>Bioorganic Chemistry</i> , 2021, 115, 105240.	4.1	6
16	Development of coumarin-thiosemicarbazone hybrids as aldose reductase inhibitors: Biological assays, molecular docking, simulation studies and ADME evaluation. <i>Bioorganic Chemistry</i> , 2021, 115, 105164.	4.1	15
17	Semicarbazones, thiosemicarbazone, thiazole and oxazole analogues as monoamine oxidase inhibitors: Synthesis, characterization, biological evaluation, molecular docking, and kinetic studies. <i>Bioorganic Chemistry</i> , 2021, 115, 105209.	4.1	11
18	Exploring synthetic and therapeutic prospects of new thiazoline derivatives as aldose reductase (ALR2) inhibitors. <i>RSC Advances</i> , 2021, 11, 17259-17282.	3.6	7

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19	Editorial: Metalloenzymes: Potential Drug Targets. <i>Frontiers in Pharmacology</i> , 2021, 12, 746925.	3.5	0
20	Synthesis and antitumor activities of novel Mannich base derivatives derived from natural flavonoids. , 2021, , .		5
21	Editorial: Metalloenzymes: Potential Drug Targets. <i>Frontiers in Pharmacology</i> , 2021, 12, 746925.	3.5	2
22	Synthesis, characterization, and anticancer activity of Schiff bases. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3246-3259.	3.5	68
23	Synthesis of biphenyl oxazole derivatives via Suzuki coupling and biological evaluations as nucleotide pyrophosphatase/phosphodiesterase-1 and -3 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112759.	5.5	17
24	Synthesis, characterization, in vitro tissue-nonspecific alkaline phosphatase (TNAP) and intestinal alkaline phosphatase (IAP) inhibition studies and computational evaluation of novel thiazole derivatives. <i>Bioorganic Chemistry</i> , 2020, 102, 104088.	4.1	17
25	Synthesis and Nucleotide Pyrophosphatase/Phosphodiesterase Inhibition Studies of Carbohydrazides Based on Benzimidazole-Benzothiazine Skeleton. <i>ChemistrySelect</i> , 2020, 5, 14399-14407.	1.5	4
26	Evaluation of sulfonate and sulfamate derivatives possessing benzofuran or benzothiophene nucleus as inhibitors of nucleotide pyrophosphatases/phosphodiesterases and anticancer agents. <i>Bioorganic Chemistry</i> , 2020, 104, 104305.	4.1	9
27	Synthesis, Characterization, and <i>In Silico</i> Studies of Novel Spirooxindole Derivatives as Ecto-5'-Nucleotidase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 2397-2405.	2.8	9
28	Functionalized Oxindolin Hydrazine Carbothioamide Derivatives as Highly Potent Inhibitors of Nucleoside Triphosphate Diphosphohydrolases. <i>Frontiers in Pharmacology</i> , 2020, 11, 585876.	3.5	7
29	Biological Evaluation of Newly Synthesized Biaryl Guanidine Derivatives to Arrest β -Secretase Enzymatic Activity Involved in Alzheimer's Disease. <i>BioMed Research International</i> , 2020, 2020, 1-11.	1.9	4
30	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. <i>Bioorganic Chemistry</i> , 2020, 101, 103996.	4.1	9
31	Synthesis, biological evaluation, and docking studies of new pyrazole-based thiourea and sulfonamide derivatives as inhibitors of nucleotide pyrophosphatase/phosphodiesterase. <i>Bioorganic Chemistry</i> , 2020, 99, 103783.	4.1	20
32	Recent advances with alkaline phosphatase isoenzymes and their inhibitors. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000011.	4.1	48
33	<i>Datura suaveolens</i> and <i>Verbena tenuisecta</i> mediated silver nanoparticles, their photodynamic cytotoxic and antimicrobial evaluation. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 31.	3.6	5
34	Sulfonylhydrazones: Design, synthesis and investigation of ectonucleotidase (ALP & e ² NT) inhibition activities. <i>Bioorganic Chemistry</i> , 2020, 100, 103827.	4.1	13
35	An efficient synthetic approach toward a sporadic heterocyclic scaffold: 1,3-Oxathiol-2-ylidenes; alkaline phosphatase inhibition and molecular docking studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127238.	2.2	7
36	Highly Potent and Selective Ectonucleoside Triphosphate Diphosphohydrolase (ENTPDase1, 2, 3 and 8) Inhibitors Having 2-substituted-7- trifluoromethyl-thiadiazolopyrimidones Scaffold. <i>Medicinal Chemistry</i> , 2020, 16, 689-702.	1.5	4

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37	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. <i>Journal of Cancer Research and Therapeutics</i> , 2020, 16, 1402.	0.9	1
38	Ectonucleotidases: Potential Target in Drug Discovery and Development. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019, 19, 866-869.	2.4	4
39	Exploration of quinolone and quinoline derivatives as potential anticancer agents. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2019, 27, 613-626.	2.0	20
40	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.	4.1	18
41	Exploring antidiabetic potential of adamantyl-thiosemicarbazones via aldose reductase (ALR2) inhibition. <i>Bioorganic Chemistry</i> , 2019, 92, 103244.	4.1	21
42	Synthesis of chromeno[2,3-c]pyrrol-9(2H)-ones by domino reactions of amino acids with ynones. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 465-468.	1.2	3
43	Investigation of potent inhibitors of cholinesterase based on thiourea and pyrazoline derivatives: Synthesis, inhibition assay and molecular modeling studies. <i>Bioorganic Chemistry</i> , 2019, 90, 103036.	4.1	19
44	Fluoro-benzimidazole derivatives to cure Alzheimer's disease: In-silico studies, synthesis, structure-activity relationship and in vivo evaluation for β 2 secretase enzyme inhibition. <i>Bioorganic Chemistry</i> , 2019, 88, 102936.	4.1	12
45	Synthesis, biological evaluation, and molecular docking study of sulfonate derivatives as nucleotide pyrophosphatase/phosphodiesterase (NPP) inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2741-2752.	3.0	17
46	Investigation of new quinoline derivatives as promising inhibitors of NTPDases: Synthesis, SAR analysis and molecular docking studies. <i>Bioorganic Chemistry</i> , 2019, 87, 218-226.	4.1	17
47	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. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 131, 9-22.	4.0	14
48	Benzoxazinone-thiosemicarbazones as antidiabetic leads via aldose reductase inhibition: Synthesis, biological screening and molecular docking study. <i>Bioorganic Chemistry</i> , 2019, 87, 857-866.	4.1	40
49	Schiff bases of tryptamine as potent inhibitors of nucleoside triphosphate diphosphohydrolases (NTPDases): Structure-activity relationship. <i>Bioorganic Chemistry</i> , 2019, 82, 253-266.	4.1	19
50	Cytotoxicity, Pro-apoptotic Activity and in silico Studies of Dithiocarbamates and their Structure Based Design and SAR Studies. <i>Medicinal Chemistry</i> , 2019, 15, 892-902.	1.5	7
51	Synthesis, molecular modelling and biological evaluation of tetrasubstituted thiazoles towards cholinesterase enzymes and cytotoxicity studies. <i>Bioorganic Chemistry</i> , 2018, 78, 141-148.	4.1	21
52	Semicarbazone derivatives as urease inhibitors: Synthesis, biological evaluation, molecular docking studies and in-silico ADME evaluation. <i>Bioorganic Chemistry</i> , 2018, 79, 19-26.	4.1	24
53	Synthesis, characterization, monoamine oxidase inhibition, molecular docking and dynamic simulations of novel 2,1-benzothiazine-2,2-dioxide derivatives. <i>Bioorganic Chemistry</i> , 2018, 80, 498-510.	4.1	15
54	Tricyclic coumarin sulphonate derivatives with alkaline phosphatase inhibitory effects: <i>in vitro</i> and docking studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 479-484.	5.2	15

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55	Development and In vitro Anticancer Evaluation of Self-Assembled Supramolecular pH Responsive Hydrogels of Carboxymethyl Chitosan and Polyoxometalate. <i>ChemistrySelect</i> , 2018, 3, 1472-1479.	1.5	21
56	Molecular dynamic simulations reveal structural insights into substrate and inhibitor binding modes and functionality of Ecto-Nucleoside Triphosphate Diphosphohydrolases. <i>Scientific Reports</i> , 2018, 8, 2581.	3.3	19
57	Distinctive inhibition of alkaline phosphatase isozymes by thiazolylidene-benzamide derivatives: Functional insights into their anticancer role. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 6501-6513.	2.6	2
58	A domino reaction of 3-chlorochromones with aminoheterocycles. Synthesis of pyrazolopyridines and benzofuropridines and their optical and ecto-5'-nucleotidase inhibitory effects. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 717-732.	2.8	28
59	Solution-phase microwave assisted parallel synthesis, biological evaluation and in silico docking studies of 2-chlorobenzoyl thioureas derivatives. <i>Journal of Molecular Structure</i> , 2018, 1164, 354-362.	3.6	11
60	Synthesis, monoamine oxidase inhibition activity and molecular docking studies of novel 4-hydroxy-N ² -[benzylidene or 1-phenylethylidene]-2-H/methyl/benzyl-1,2-benzothiazine-3-carbohydrazide 1,1-dioxides. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1373-1386.	5.5	26
61	4-Aminopyridine based amide derivatives as dual inhibitors of tissue non-specific alkaline phosphatase and ecto-5'-nucleotidase with potential anticancer activity. <i>Bioorganic Chemistry</i> , 2018, 76, 237-248.	4.1	20
62	2-Substituted 7-trifluoromethyl-thiadiazolopyrimidones as alkaline phosphatase inhibitors. Synthesis, structure activity relationship and molecular docking study. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 116-127.	5.5	10
63	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. <i>Journal of Molecular Structure</i> , 2018, 1156, 193-200.	3.6	20
64	Identification of New Chromenone Derivatives as Cholinesterase Inhibitors and Molecular Docking Studies. <i>Medicinal Chemistry</i> , 2018, 14, 809-817.	1.5	1
65	Expanding the Alkaline Phosphatase Inhibition, Cytotoxic and Proapoptotic Profile of Biscoumarin-aminothiazole and Coumarin-triazolothiadiazine Conjugates. <i>ChemistrySelect</i> , 2018, 3, 13377-13386.	1.5	5
66	Hybrid compounds from chalcone and 1,2-benzothiazine pharmacophores as selective inhibitors of alkaline phosphatase isozymes. <i>European Journal of Medicinal Chemistry</i> , 2018, 159, 282-291.	5.5	16
67	Synthesis of novel (E)-1-(2-(2-(4(dimethylamino) benzylidene)) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (hydrazide) Open Science, 2018, 5, 180837.	2.4	8
68	Detailed investigation of anticancer activity of sulfamoyl benz(sulfon)amides and 1H-pyrazolyl benzamides: An experimental and computational study. <i>European Journal of Pharmacology</i> , 2018, 832, 11-24.	3.5	13
69	Pluronic-Based Mixed Polymeric Micelles Enhance the Therapeutic Potential of Curcumin. <i>AAPS PharmSciTech</i> , 2018, 19, 2719-2739.	3.3	54
70	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.	5.5	28
71	Quinoline containing chalcone derivatives as cholinesterase inhibitors and their in silico modeling studies. <i>Computational Biology and Chemistry</i> , 2018, 76, 310-317.	2.3	21
72	Facile dimethyl amino group triggered cyclic sulfonamides synthesis and evaluation as alkaline phosphatase inhibitors. <i>Bioorganic Chemistry</i> , 2017, 71, 10-18.	4.1	12

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73	Synthesis, characterization and biological evaluation of novel chalcone sulfonamide hybrids as potent intestinal alkaline phosphatase inhibitors. <i>Bioorganic Chemistry</i> , 2017, 70, 229-236.	4.1	20
74	Coumarin sulfonates: New alkaline phosphatase inhibitors; in vitro and in silico studies. <i>European Journal of Medicinal Chemistry</i> , 2017, 131, 29-47.	5.5	25
75	Synthesis of functionalised fluorinated pyridine derivatives by site-selective Suzuki-Miyaura cross-coupling reactions of halogenated pyridines. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017, 72, 263-279.	0.7	1
76	Pyrazolobenzothiazine-based carbothioamides as new structural leads for the inhibition of monoamine oxidases: design, synthesis, in vitro bioevaluation and molecular docking studies. <i>MedChemComm</i> , 2017, 8, 452-464.	3.4	18
77	Domino Reactions of Chromone-3-carboxylic Acids with Aminoheterocycles: Synthesis of Heteroannulated Pyrido[2,3 <i>c</i>]coumarins and their Optical and Biological Activity. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 7148-7159.	2.4	16
78	Novel pH responsive supramolecular hydrogels of chitosan hydrochloride and polyoxometalate: In-vitro, in-vivo and preliminary safety evaluation. <i>International Journal of Pharmaceutics</i> , 2017, 533, 125-137.	5.2	32
79	Sulfonyl hydrazones derived from 3-formylchromone as non-selective inhibitors of MAO-A and MAO-B: Synthesis, molecular modelling and in-silico ADME evaluation. <i>Bioorganic Chemistry</i> , 2017, 75, 291-302.	4.1	26
80	Exploration of thioxothiazolidinone-sulfonate conjugates as a new class of aldehyde/aldose reductase inhibitors: A synthetic and computational investigation. <i>Bioorganic Chemistry</i> , 2017, 75, 1-15.	4.1	18
81	Identification of new potent inhibitor of aldose reductase from <i>Ocimum basilicum</i> . <i>Bioorganic Chemistry</i> , 2017, 75, 62-70.	4.1	18
82	Exploration of aroyl/heteroaroyl iminothiazolines featuring 2,4,5-trichlorophenyl moiety as a new class of potent, selective, and in vitro efficacious glucosidase inhibitors. <i>Bioorganic Chemistry</i> , 2017, 74, 134-144.	4.1	18
83	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.	2.1	13
84	Symmetrical aryl linked bis-iminothiazolidinones as new chemical entities for the inhibition of monoamine oxidases: Synthesis, in vitro biological evaluation and molecular modelling analysis. <i>Bioorganic Chemistry</i> , 2017, 70, 17-26.	4.1	17
85	Isonicotinohydrazones as inhibitors of alkaline phosphatase and ecto-5'-nucleotidase. <i>Chemical Biology and Drug Design</i> , 2017, 89, 365-370.	3.2	25
86	Cholinesterases inhibition and molecular modeling studies of piperidyl-thienyl and 2-pyrazoline derivatives of chalcones. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 615-624.	2.1	33
87	Synthesis, alkaline phosphatase inhibition studies and molecular docking of novel derivatives of 4-quinolones. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 408-420.	5.5	30
88	Polyethyleneimine-Polyoxometalate-Based Supramolecular Self-Assembled pH-Responsive Hydrogels: Formulation and in vitro Evaluation. <i>ChemistrySelect</i> , 2017, 2, 5905-5912.	1.5	14
89	Unraveling the Alkaline Phosphatase Inhibition, Anticancer, and Antileishmanial Potential of Coumarin-Triazolothiadiazine Hybrids: Design, Synthesis, and Molecular Docking Analysis. <i>Archiv Der Pharmazie</i> , 2016, 349, 553-565.	4.1	29
90	The role of naked fluoride ion as base or catalyst in organic synthesis. <i>Tetrahedron</i> , 2016, 72, 2763-2812.	1.9	26

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91	Coumarin-thiazole and -oxadiazole derivatives: Synthesis, bioactivity and docking studies for aldose/aldehyde reductase inhibitors. <i>Bioorganic Chemistry</i> , 2016, 68, 177-186.	4.1	46
92	Solution-phase microwave assisted parallel synthesis, biological evaluation and in silico docking studies of N,N- ϵ^2 -disubstituted thioureas derived from 3-chlorobenzoic acid. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4452-4463.	3.0	31
93	Novel gelatin-polyoxometalate based self-assembled pH responsive hydrogels: formulation and <i>in vitro</i> characterization. <i>Designed Monomers and Polymers</i> , 2016, 19, 697-705.	1.6	13
94	New one-pot synthesis of N-fused isoquinoline derivatives by palladium-catalyzed C-H arylation: potent inhibitors of nucleotide pyrophosphatase-1 and -3. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 11402-11414.	2.8	42
95	Synthesis of 2-arylated thiadiazolopyrimidones by Suzuki-Miyaura cross-coupling: a new class of nucleotide pyrophosphatase (NPPs) inhibitors. <i>RSC Advances</i> , 2016, 6, 107556-107571.	3.6	28
96	Synthesis, biological evaluation and docking studies of some novel isatin-3-hydrazone-thiazolines. <i>RSC Advances</i> , 2016, 6, 60826-60844.	3.6	18
97	2-Alkoxy-3-(sulfonylarylamino)methylene)-chroman-4-ones as potent and selective inhibitors of ectonucleotidases. <i>European Journal of Medicinal Chemistry</i> , 2016, 115, 484-494.	5.5	23
98	Synthesis, characterization and urease inhibition, <i>in vitro</i> anticancer and antileishmanial studies of Co(III) complexes with N,N, ϵ^2 -trisubstituted acylthioureas. <i>Inorganica Chimica Acta</i> , 2016, 443, 69-77.	2.4	48
99	Synthesis of 3, ϵ^2 -carbonyl-bis(chromones) and their activity as mammalian alkaline phosphatase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 495-502.	2.8	25
100	Inhibition of Alkaline Phosphatase: An Emerging New Drug Target. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015, 15, 41-51.	2.4	38
101	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. <i>RSC Advances</i> , 2015, 5, 21249-21267.	3.6	45
102	Synthesis, characterization and urease inhibition, <i>in vitro</i> anticancer and antileishmanial studies of Ni(II) complexes with N,N, ϵ^2 -trisubstituted thioureas. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 541-554.	2.6	45
103	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. <i>RSC Advances</i> , 2015, 5, 64404-64413.	3.6	32
104	Diversity oriented synthesis of 6-nitro- and 6-aminoquinolones and their activity as alkaline phosphatase inhibitors. <i>RSC Advances</i> , 2015, 5, 60054-60078.	3.6	13
105	Efficient one-pot synthesis of 5-perfluoroalkylpyrazoles by cyclization of hydrazone dianions. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8277-8290.	2.8	23
106	Diarylsulfonamides and their bioisosteres as dual inhibitors of alkaline phosphatase and carbonic anhydrase: Structure activity relationship and molecular modelling studies. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2435-2444.	3.0	39
107	Synthesis of chitosan-coated polyoxometalate nanoparticles against cancer and its metastasis. <i>RSC Advances</i> , 2015, 5, 93234-93242.	3.6	24
108	Facile and expedient access to bis-coumarin-iminothiazole hybrids by molecular hybridization approach: synthesis, molecular modelling and assessment of alkaline phosphatase inhibition, anticancer and antileishmanial potential. <i>RSC Advances</i> , 2015, 5, 89919-89931.	3.6	42

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109	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. <i>RSC Advances</i> , 2015, 5, 90806-90818.	3.6	23
110	Quinolinyl-Thienyl Chalcones as Monoamine Oxidase Inhibitors and their In Silico Modeling Studies. <i>Medicinal Chemistry</i> , 2015, 11, 580-589.	1.5	23
111	Monoamine Oxidase Inhibition and Molecular Modeling Studies of Piperidyl-thienyl and 2-Pyrazoline Derivatives of Chalcones. <i>Medicinal Chemistry</i> , 2015, 11, 497-505.	1.5	19
112	Sulfa Drugs as Inhibitors of Carbonic Anhydrase: New Targets for the Old Drugs. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	15
113	Novel structural hybrids of pyrazolobenzothiazines with benzimidazoles as cholinesterase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014, 78, 106-117.	5.5	34
114	Synthesis, cytotoxicity and molecular modelling studies of new phenylcinnamide derivatives as potent inhibitors of cholinesterases. <i>European Journal of Medicinal Chemistry</i> , 2014, 78, 43-53.	5.5	44
115	New aminobenzenesulfonamide-thiourea conjugates: Synthesis and carbonic anhydrase inhibition and docking studies. <i>European Journal of Medicinal Chemistry</i> , 2014, 78, 140-150.	5.5	46
116	Carbonic anhydrase inhibition by 1-aryl-3-(4-aminosulfonylphenyl)thioureas. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 901-905.	5.2	22
117	Antidiabetic potential of polyoxotungstates: in vitro and in vivo studies. <i>Metallomics</i> , 2014, 6, 1521-1526.	2.4	23
118	Benzo-thiazolyl substituted iminothiazolidinones and benzamido-oxothiazolidines as potent and partly selective aldose reductase inhibitors. <i>MedChemComm</i> , 2014, 5, 1371-1380.	3.4	18
119	Therapeutic Potentials of Ecto-5'-Nucleoside Triphosphate Diphosphohydrolase, Ecto-5'-Nucleotide Pyrophosphatase/Phosphodiesterase, Ecto-5'-Nucleotidase, and Alkaline Phosphatase Inhibitors. <i>Medicinal Research Reviews</i> , 2014, 34, 703-743.	10.5	90
120	Cytotoxicity and enzyme inhibition studies of polyoxometalates and their chitosan nanoassemblies. <i>Toxicology Reports</i> , 2014, 1, 341-352.	3.3	61
121	Identification of sulfonic acids as efficient ecto-5'-nucleotidase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 685-691.	5.5	33
122	Solution-phase microwave assisted parallel synthesis of N,N'-disubstituted thioureas derived from benzoic acid: Biological evaluation and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 487-496.	5.5	58
123	Identification of novel chromone based sulfonamides as highly potent and selective inhibitors of alkaline phosphatases. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 438-449.	5.5	32
124	Identification of Small Molecule Sulfonic Acids as Ecto-5'-Nucleotidase Inhibitors. <i>Medicinal Chemistry</i> , 2012, 8, 1133-1139.	1.5	1
125	Polyoxometalates as potent and selective inhibitors of alkaline phosphatases with profound anticancer and amoebicidal activities. <i>Dalton Transactions</i> , 2012, 41, 14329.	3.3	63
126	Identification of Small Molecule Sulfonic Acids as Ecto-5'-Nucleotidase Inhibitors. <i>Medicinal Chemistry</i> , 2012, 8, 1133-1139.	1.5	19

#	ARTICLE	IF	CITATIONS
127	Synthesis, biological assay in vitro and molecular docking studies of new Schiff base derivatives as potential urease inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5473-5479.	5.5	153
128	High-sensitivity capillary electrophoresis method for monitoring purine nucleoside phosphorylase and adenosine deaminase reactions by a reversed electrode polarity switching mode. <i>Journal of Chromatography A</i> , 2011, 1218, 4764-4771.	3.7	26
129	Development of a microbioreactor with ecto-nucleoside triphosphate diphosphohydrolase 2 (NTPDase2) immobilized on a polyacrylamide-coated capillary at the outlet. <i>Journal of Chromatography A</i> , 2010, 1217, 600-604.	3.7	12
130	Development of Potent and Selective Inhibitors of <i>ecto</i> -5'-Nucleotidase Based on an Anthraquinone Scaffold. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2076-2086.	6.4	88
131	Structure-activity relationships of anthraquinone derivatives derived from bromaminic acid as inhibitors of ectonucleoside triphosphate diphosphohydrolases (E-NTPDases). <i>Purinergic Signalling</i> , 2009, 5, 91-106.	2.2	64
132	A highly sensitive CE-UV method with dynamic coating of silica-fused capillaries for monitoring of nucleotide pyrophosphatase/phosphodiesterase reactions. <i>Electrophoresis</i> , 2008, 29, 3685-3693.	2.4	67
133	Capillary electrophoresis-based nanoscale assays for monitoring ecto-5'-nucleotidase activity and inhibition in preparations of recombinant enzyme and melanoma cell membranes. <i>Analytical Biochemistry</i> , 2008, 373, 129-140.	2.4	43
134	Selective Nucleoside Triphosphate Diphosphohydrolase-2 (NTPDase2) Inhibitors: Nucleotide Mimetics Derived from Uridine-5'-carboxamide. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4518-4528.	6.4	43
135	Development and validation of a capillary electrophoresis method for the characterization of herpes simplex virus type 1 (HSV-1) thymidine kinase substrates and inhibitors. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 846, 281-290.	2.3	23
136	Polyoxometalates—a new class of potent ecto-nucleoside triphosphate diphosphohydrolase (NTPDase) inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5943-5947.	2.2	167
137	Development of off-line and on-line capillary electrophoresis methods for the screening and characterization of adenosine kinase inhibitors and substrates. <i>Electrophoresis</i> , 2006, 27, 2505-2517.	2.4	38
138	A capillary electrophoresis method for the characterization of ecto-nucleoside triphosphate diphosphohydrolases (NTPDases) and the analysis of inhibitors by in-capillary enzymatic microreaction. <i>Purinergic Signalling</i> , 2005, 1, 349-358.	2.2	72
139	Urease inhibitory kinetics, molecular docking, SAR and ADME studies of imine analogues. <i>New Journal of Chemistry</i> , 0, , .	2.8	2