Murat SentÃœrk

List of Publications by Year
in descending order

80	3,224	109137 35	155451 55
papers	citations	h-index	g-index

81	81	81	1962
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, characterization, and biological evaluation of some novel Schiff bases as potential metabolic enzyme inhibitors. Archiv Der Pharmazie, 2022, 355, e2100430.	2.1	19
2	A new carbonic anhydrase identified in the Gram-negative bacterium (Chromohalobacter sp.) and the interaction of anions with the enzyme. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 254, 109290.	1.3	0
3	Design, synthesis, characterization of peripherally tetra-pyridine-triazole-substituted phthalocyanines and their inhibitory effects on cholinesterases (AChE/BChE) and carbonic anhydrases (hCA I, II and IX). Dalton Transactions, 2020, 49, 203-209.	1.6	33
4	Design, synthesis and molecular modelling studies of some pyrazole derivatives as carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 289-297.	2.5	38
5	Synthesis of N-phenylsulfonamide derivatives and investigation of some esterase enzymes inhibiting properties. Bioorganic Chemistry, 2020, 104, 104279.	2.0	11
6	Integrated Binary QSAR-Driven Virtual Screening and In Vitro Studies for Finding Novel hMAO-B-Selective Inhibitors. Journal of Chemical Information and Modeling, 2020, 60, 4047-4055.	2.5	7
7	Investigation of pesticides on honey bee carbonic anhydrase inhibition. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1923-1927.	2.5	9
8	Triazole substituted metal-free, metallo-phthalocyanines and their water soluble derivatives as potential cholinesterases inhibitors: Design, synthesis and in vitro inhibition study. Bioorganic Chemistry, 2019, 90, 103100.	2.0	30
9	Inhibitory Effects and Kinetic-Docking Studies of Xanthohumol FromHumulus lupulusCones Against Carbonic Anhydrase, Acetylcholinesterase, and Butyrylcholinesterase. Natural Product Communications, 2019, 14, 1934578X1988150.	0.2	3
10	Inhibition of acetylcholinesterase and butyrylcholinesterase with uracil derivatives: kinetic and computational studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 429-437.	2.5	76
11	Synthesis of 5-methyl-2,4-dihydro-3H-1,2,4-triazole-3-oneâ€™s aryl Schiff base derivatives and investigation of carbonic anhydrase and cholinesterase (AChE, BuChE) inhibitory properties. Bioorganic Chemistry, 2019, 86, 705-713.	2.0	47
12	Comparison of blood carbonic anhydrase activity of athletes performing interval and continuous running exercise at high altitude. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 218-223.	2.5	7
13	Determination of the inhibitory effects of N-methylpyrrole derivatives on glutathione reductase enzyme. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 51-54.	2.5	23
14	The synthesis of axially disubstituted silicon phthalocyanines, their quaternized derivatives and first inhibitory effect on human cytosolic carbonic anhydrase isozymes hCA I and II. RSC Advances, 2018, 8, 10172-10178.	1.7	34
15	Effects of aryl methanesulfonate derivatives on acetylcholinesterase and butyrylcholinesterase. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22210.	1.4	19
16	Synthesis and glutathione reductase inhibitory properties of 5â€methylâ€2,4â€dihydroâ€3Hâ€1,2,4â€triazolâ€3â€one's aryl Schiff base derivatives. Archiv Der Pharmazie, 2018, 351, e1800086.	2.1	19
17	Carbonic anhydrase inhibitory properties of some uracil derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 74-77.	2.5	36
18	Carbonic anhydrase fromApis mellifera: purification and inhibition by pesticides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 47-50.	2.5	15

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19	The effect of sodium pertechnetate human carbonic anhydrase I and II. , 2017, , .		0
20	In vivo effects of radioactive properties of Tl-201 on human carbonic anhydrase activity. AIP Conference Proceedings, 2017, , .	0.3	0
21	In vitro effects of radioactive properties of 99mTc and 99mTc-MDP on human glucose 6-phosphate dehydrogenase activity. , 2017, , .		0
22	Comparison of inhibition effects of some benzoic acid derivatives on sheep heart carbonic anhydrase. AIP Conference Proceedings, 2016, , .	0.3	0
23	Biological evaluation of some uracil derivatives as potent glutathione reductase inhibitors. AIP Conference Proceedings, 2016, , .	0.3	1
24	Investigation of inhibition of human glucose 6-phosphate dehydrogenase by some 99mTc chelators byin silicoandin vitromethods. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 141-147.	2.5	9
25	Synthesis and Biological Evaluation of Novel Bischalcone Derivatives as Carbonic Anhydrase Inhibitors. Archiv Der Pharmazie, 2016, 349, 741-748.	2.1	33
26	Synthesis and carbonic anhydrase inhibitory properties of novel chalcone substituted benzenesulfonamides. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5867-5870.	1.0	40
27	Kinetic andin silicostudies of hydroxy-based inhibitors of carbonic anhydrase isoforms I and II. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 31-37.	2.5	14
28	Pyridazinone substituted benzenesulfonamides as potent carbonic anhydrase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1337-1341.	1.0	37
29	Kinetic and docking studies of cytosolic/tumor-associated carbonic anhydrase isozymes I, II and IX with some hydroxylic compounds. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1214-1220.	2.5	4
30	Interaction of anions with a newly characterized alpha carbonic anhydrase fromHalomonassp. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1119-1123.	2.5	13
31	Synthesis and Determination of Some Biological Activities of Novel 2,4â€Dinitrophenyl Derivatives. Archiv Der Pharmazie, 2015, 348, 214-220.	2.1	4
32	Synthesis and carbonic anhydrase inhibitory properties of novel uracil derivatives. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3261-3263.	1.0	32
33	Investigation of arenesulfonyl-2-imidazolidinones as potent carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 81-84.	2.5	40
34	Synthesis of 3,4-dihydroxypyrrolidine-2,5-dione and 3,5-dihydroxybenzoic acid derivatives and evaluation of the carbonic anhydrase I and II inhibition. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 896-900.	2.5	21
35	Discovering novel carbonic anhydrase type IX (CA IX) inhibitors from seven million compounds using virtual screening andin vitroanalysis. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 31, 1-9.	2.5	10
36	Carbonic anhydrase inhibitors: Design, synthesis, kinetic, docking and molecular dynamics analysis of novel glycine and phenylalanine sulfonamide derivatives. Bioorganic and Medicinal Chemistry, 2015, 23, 7353-7358.	1.4	39

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37	Interaction of carbonic anhydrase isozymes I, II, and IX with some pyridine and phenol hydrazinecarbothioamide derivatives. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5636-5641.	1.0	41
38	Purification and Characterization of Carbonic Anhydrase from AÄŸrÄ± BalÄ±k Lake Trout Gill (Salmo) Tj ETQq0 0 0 rgBT /Overlock 10 Molecular Toxicology, 2015, 29, 123-128.	1.4	9
39	Synthesis and biological activity of novel thiourea derivatives as carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 75-80.	2.5	69
40	Purification and characterization of carbonic anhydrase from sheep kidney and effects of sulfonamides on enzyme activity. Bioorganic and Medicinal Chemistry, 2013, 21, 1522-1525.	1.4	35
41	Assesment of metal inhibition of antioxidant enzyme glutathione reductase from rainbow trout liver. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 11-15.	2.5	9
42	In vitroenzymatic response of Turkish native chicken â€œGerzeâ€•to heavy metal exposure. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 52-57.	2.5	7
43	Heavy metal ion inhibition studies of human, sheep and fish Î±-carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 278-282.	2.5	38
44	Carbonic anhydrase inhibitors:in vitroinhibition of Î± isoforms (hCA I, hCA II, bCA III, hCA IV) by flavonoids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 283-288.	2.5	102
45	Inhibition of mammalian carbonic anhydrase isoforms I, II and VI with thiamine and thiamine-like molecules. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 316-319.	2.5	20
46	In vitroandin vivoeffects of some benzodiazepine drugs on human and rabbit erythrocyte carbonic anhydrase enzymes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 680-684.	2.5	10
47	Chromone containing sulfonamides as potent carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 744-747.	2.5	42
48	Inhibition of human carbonic anhydrase isozymes I, II and VI with a series of bisphenol, methoxy and bromophenol compounds. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 467-475.	2.5	39
49	Î±-Carbonic anhydrases are sulfatases with cyclic diol monosulfate esters. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 148-154.	2.5	68
50	Effects of dopaminergic compounds on carbonic anhydrase isozymes I, II, and VI. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 365-369.	2.5	33
51	The effects of chemical and radioactive properties of Tl-201 on human erythrocyte glutathione reductase activity. Nuclear Medicine and Biology, 2012, 39, 161-165.	0.3	3
52	Synthesis and carbonic anhydrase inhibitory properties of novel bromophenols and their derivatives including natural products: Vidalol B. European Journal of Medicinal Chemistry, 2012, 54, 423-428.	2.6	58
53	Simple methanesulfonates are hydrolyzed by the sulfatase carbonic anhydrase activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 880-885.	2.5	54
54	Sulfapyridine-like benzenesulfonamide derivatives as inhibitors of carbonic anhydrase isoenzymes I, II and VI. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 818-824.	2.5	51

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55	Carbonic anhydrase inhibitors: inhibition of human and bovine isoenzymes by benzenesulphonamides, cyclitols and phenolic compounds. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 845-848.	2.5	72
56	Structureâ€“activity relationships for the interaction of 5,10-dihydroindeno[1,2-b]indole derivatives with human and bovine carbonic anhydrase isoforms I, II, III, IV and VI. European Journal of Medicinal Chemistry, 2012, 49, 68-73.	2.6	54
57	Synthesis and carbonic anhydrase inhibitory properties of novel cyclohexanonyl bromophenol derivatives. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1352-1357.	1.0	43
58	Purification and characterization of carbonic anhydrase from the teleost fish Dicentrarchus labrax (European seabass) liver and toxicological effects of metals on enzyme activity. Environmental Toxicology and Pharmacology, 2011, 32, 69-74.	2.0	71
59	Salicylic acid derivatives: synthesis, features and usage as therapeutic tools. Expert Opinion on Therapeutic Patents, 2011, 21, 1831-1841.	2.4	77
60	In Vitro Inhibition of Human Carbonic Anhydrase I and II Isozymes with Natural Phenolic Compounds. Chemical Biology and Drug Design, 2011, 77, 494-499.	1.5	170
61	Paraoxonase-1, an organophosphate detoxifier and cardioprotective enzyme, is inhibited by anesthetics: An in vitro and in vivo insight. Pesticide Biochemistry and Physiology, 2011, 101, 206-211.	1.6	19
62	Design, synthesis and biological evaluation of novel nitroaromatic compounds as potent glutathione reductase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5398-5402.	1.0	48
63	Characterization and anions inhibition studies of an Î±-carbonic anhydrase from the teleost fish Dicentrarchus labrax. Bioorganic and Medicinal Chemistry, 2011, 19, 744-748.	1.4	63
64	Kinetic and docking studies of phenol-based inhibitors of carbonic anhydrase isoforms I, II, IX and XII evidence a new binding mode within the enzyme active site. Bioorganic and Medicinal Chemistry, 2011, 19, 1381-1389.	1.4	97
65	In vitro inhibition of Î±-carbonic anhydrase isozymes by some phenolic compounds. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4259-4262.	1.0	170
66	NO-releasing esters show carbonic anhydrase inhibitory action against human isoforms I and II. Bioorganic and Medicinal Chemistry, 2010, 18, 3559-3563.	1.4	59
67	In vitro and in vivo effects of some pesticides on carbonic anhydrase enzyme from rainbow trout (Oncorhynchus mykiss) gills. Pesticide Biochemistry and Physiology, 2010, 97, 177-181.	1.6	43
68	Deltamethrin attenuates antioxidant defense system and induces the expression of heat shock protein 70 in rainbow trout. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 152, 215-223.	1.3	55
69	A novel and one-pot synthesis of new 1-tosyl pyrrol-2-one derivatives and analysis of carbonic anhydrase inhibitory potencies. Bioorganic and Medicinal Chemistry, 2010, 18, 4468-4474.	1.4	68
70	An Alternative Purification Method for Human Serum Paraoxonase 1 and its Interactions with Sulfonamides. Chemical Biology and Drug Design, 2010, 76, 552-558.	1.5	44
71	The effects of chemical and radioactive properties of Tl-201 on human erythrocyte glucose 6-phosphate dehydrogenase activity. Nuclear Medicine and Biology, 2010, 37, 389-394.	0.3	8
72	In vitro and in vivo effects of some pesticides on glucose-6-phosphate dehydrogenase enzyme activity from rainbow trout (Oncorhynchus mykiss) erythrocytes. Pesticide Biochemistry and Physiology, 2009, 95, 95-99.	1.6	37

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73	In vitro inhibition of human erythrocyte glutathione reductase by some new organic nitrates. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3661-3663.	1.0	47
74	Carbonic anhydrase inhibitors. Inhibition of human erythrocyte isozymes I and II with a series of antioxidant phenols. Bioorganic and Medicinal Chemistry, 2009, 17, 3207-3211.	1.4	207
75	Effects of some analgesic anaesthetic drugs on human erythrocyte glutathione reductase: anin vitrostudy. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 420-424.	2.5	26
76	In vitro inhibition of salicylic acid derivatives on human cytosolic carbonic anhydrase isozymes I and II. Bioorganic and Medicinal Chemistry, 2008, 16, 9101-9105.	1.4	160
77	Purification and characterization of glutathione reductase from rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Physiology Part - C: Toxicology and Pharmacology, 2008, 148, 117-121.	1.3	38
78	Effects of some antibiotics on human erythrocyte glutathione reductase: anin vitrostudy. Journal of Enzyme Inhibition and Medicinal Chemistry, 2008, 23, 144-148.	2.5	33
79	Dantrolene Inhibits Human Erythrocyte Glutathione Reductase. Biological and Pharmaceutical Bulletin, 2008, 31, 2036-2039.	0.6	70
80	Effects of Some Metal Ions on Human Erythrocyte Glutathione Reductase:An In Vitro Study. Protein and Peptide Letters, 2007, 14, 1027-1030.	0.4	34