Malihe Moradzadeh

List of Publications by Year
in descending order

88	4,245	57631	133063
papers	citations	44 h-index	59 g-index

88	88	88	1391
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diarylmethanon, bromophenol and diarylmethane compounds: Discovery of potent aldose reductase, Î±-amylase and Î±-glycosidase inhibitors as new therapeutic approach in diabetes and functional hyperglycemia. International Journal of Biological Macromolecules, 2018, 119, 857-863.	3.6	169
2	Discovery of sulfadrugâ€“pyrrole conjugates as carbonic anhydrase and acetylcholinesterase inhibitors. Archiv Der Pharmazie, 2022, 355, e2100242.	2.1	156
3	Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties. Bioorganic Chemistry, 2019, 91, 103134.	2.0	132
4	The effects of hesperidin on sodium arsenite-induced different organ toxicity in rats on metabolic enzymes as antidiabetic and anticholinergics potentials: A biochemical approach. Journal of Food Biochemistry, 2019, 43, e12720.	1.2	125
5	Synthesis, biological evaluation and in silico studies of novel N-substituted phthalazine sulfonamide compounds as potent carbonic anhydrase and acetylcholinesterase inhibitors. Bioorganic Chemistry, 2019, 89, 103004.	2.0	112
6	The antidiabetic and anticholinergic effects of chrysin on cyclophosphamideâ€induced multiple organ toxicity in rats: Pharmacological evaluation of some metabolic enzyme activities. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22313.	1.4	101
7	Antidiabetic potential: In vitro inhibition effects of bromophenol and diarylmethanones derivatives on metabolic enzymes. Archiv Der Pharmazie, 2018, 351, e1800263.	2.1	89
8	Naphthoquinones, benzoquinones, and anthraquinones: Molecular docking, <scp>ADME</scp> and inhibition studies on human serum paraoxonaseâ€1 associated with cardiovascular diseases. Drug Development Research, 2020, 81, 628-636.	1.4	85
9	Thiazolyl-pyrazoline derivatives: In vitro and in silico evaluation as potential acetylcholinesterase and carbonic anhydrase inhibitors. International Journal of Biological Macromolecules, 2020, 163, 1970-1988.	3.6	80
10	Antidiabetic properties of dietary phenolic compounds: Inhibition effects on Î±â€amylase, aldose reductase, and Î±â€glycosidase. Biotechnology and Applied Biochemistry, 2019, 66, 781-786.	1.4	79
11	Design, synthesis, characterization, in vitro and in silico evaluation of novel imidazo[2,1-b][1,3,4]thiadiazoles as highly potent acetylcholinesterase and non-classical carbonic anhydrase inhibitors. Bioorganic Chemistry, 2021, 113, 105009.	2.0	78
12	Phenolic compounds inhibit the aldose reductase enzyme from the sheep kidney. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21936.	1.4	75
13	Anti-diabetic Properties of Calcium Channel Blockers: Inhibition Effects on Aldose Reductase Enzyme Activity. Applied Biochemistry and Biotechnology, 2019, 189, 318-329.	1.4	70
14	Synthesis, characterisation, biological evaluation andin silicostudies of sulphonamide Schiff bases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 950-962.	2.5	70
15	The behaviour of some antihypertension drugs on human serum paraoxonase-1: an important protector enzyme against atherosclerosis. Journal of Pharmacy and Pharmacology, 2019, 71, 1576-1583.	1.2	69
16	Synthesis and inhibition profiles of N-benzyl- and N-allyl aniline derivatives against carbonic anhydrase and acetylcholinesterase â€“ A molecular docking study. Arabian Journal of Chemistry, 2022, 15, 103645.	2.3	69
17	Changes in the anti-oxidant system in adult epilepsy patients receiving anti-epileptic drugs. Archives of Physiology and Biochemistry, 2015, 121, 97-102.	1.0	67
18	Calcium channel blockers: molecular docking and inhibition studies on carbonic anhydrase I and II isoenzymes. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1672-1680.	2.0	67

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19	Novel benzoic acid derivatives: Synthesis and biological evaluation as multitarget acetylcholinesterase and carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2021, 354, e2000282.	2.1	65
20	The effects of zingerone against vancomycinâ€induced lung, liver, kidney and testis toxicity in rats: The behavior of some metabolic enzymes. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22381.	1.4	64
21	New Isoindoleâ€1,3â€dione Substituted Sulfonamides as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase: Design, Synthesis, and Biological Evaluation. ChemistrySelect, 2019, 4, 13347-13355.	0.7	63
22	Inhibition effects of some pesticides and heavy metals on carbonic anhydrase enzyme activity purified from horse mackerel (Trachurus trachurus) gill tissues. Environmental Science and Pollution Research, 2020, 27, 10607-10616.	2.7	63
23	Sulfonamides incorporating ketene N,Sâ€acetal bioisosteres as potent carbonic anhydrase and acetylcholinesterase inhibitors. Archiv Der Pharmazie, 2020, 353, e1900383.	2.1	62
24	Benzenesulfonamide derivatives containing imine and amine groups: Inhibition on human paraoxonase and molecular docking studies. International Journal of Biological Macromolecules, 2020, 146, 1111-1123.	3.6	61
25	Purification, refolding, and characterization of recombinant human paraoxonase-1. Turkish Journal of Chemistry, 2015, 39, 764-776.	0.5	58
26	Inhibition effects of quinones on aldose reductase: Antidiabetic properties. Environmental Toxicology and Pharmacology, 2019, 70, 103195.	2.0	58
27	Determination of the inhibition profiles of pyrazolylâ€“thiazole derivatives against aldose reductase and Î±â€glycosidase and molecular docking studies. Archiv Der Pharmazie, 2020, 353, e2000118.	2.1	58
28	A new series of 2,4-thiazolidinediones endowed with potent aldose reductase inhibitory activity. Open Chemistry, 2021, 19, 347-357.	1.0	58
29	Design, synthesis, biological evaluation and molecular docking studies of novel 1H-1,2,3-Triazole derivatives as potent inhibitors of carbonic anhydrase, acetylcholinesterase and aldose reductase. Journal of Molecular Structure, 2022, 1257, 132613.	1.8	58
30	Molecular docking and investigation of 4-(benzylideneamino)- and 4-(benzylamino)-benzenesulfonamide derivatives as potent AChE inhibitors. Chemical Papers, 2020, 74, 1395-1405.	1.0	57
31	Design, synthesis, in vitro and in silico investigation of aldose reductase inhibitory effects of new thiazole-based compounds. Bioorganic Chemistry, 2020, 102, 104110.	2.0	56
32	Novel metabolic enzyme inhibitors designed through the molecular hybridization of thiazole and pyrazoline scaffolds. Archiv Der Pharmazie, 2021, 354, e2100294.	2.1	56
33	Cytotoxic effect, enzyme inhibition, and in silico studies of some novel N-substituted sulfonyl amides incorporating 1,3,4-oxadiazol structural motif. Molecular Diversity, 2022, 26, 2825-2845.	2.1	56
34	Antiepileptic drugs: Impacts on human serum paraoxonaseâ€1. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21889.	1.4	55
35	Some metals inhibit the glutathione Sâ€transferase from Van Lake fish gills. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21967.	1.4	55
36	Molecular Docking Studies and Inhibition Properties of Some Antineoplastic Agents against Paraoxonase-I. Anti-Cancer Agents in Medicinal Chemistry, 2020, 20, 887-896.	0.9	53

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37	Evaluation of chalcones as inhibitors of glutathione Sâ€transferase. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22047.	1.4	52
38	Synthesis, molecular docking analysis and carbonic anhydrase I-II inhibitory evaluation of new sulfonamide derivatives. Bioorganic Chemistry, 2019, 91, 103153.	2.0	52
39	The inhibition effects of some sulfonamides on human serum paraoxonase-1 (hPON1). Pharmacological Reports, 2019, 71, 545-549.	1.5	52
40	The behavior of some chalcones on acetylcholinesterase and carbonic anhydrase activity. Drug and Chemical Toxicology, 2019, 42, 634-640.	1.2	51
41	Transitionâ€Metal Complexes of Bidentate Schiffâ€Base Ligands: In Vitro and In Silico Evaluation as Nonâ€Classical Carbonic Anhydrase and Potential Acetylcholinesterase Inhibitors. ChemistrySelect, 2021, 6, 7278-7284.	0.7	51
42	The effects of some cephalosporins on acetylcholinesterase and glutathione S-transferase: an in vivo and in vitro study. Archives of Physiology and Biochemistry, 2019, 125, 235-243.	1.0	50
43	Some calcium-channel blockers: kinetic and in silico studies on paraoxonase-I. Journal of Biomolecular Structure and Dynamics, 2022, 40, 77-85.	2.0	50
44	Molecular docking and inhibition studies of vulpinic, carnosic and usnic acids on polyol pathway enzymes. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12008-12021.	2.0	50
45	Inhibitory Effects of Usnic and Carnosic Acid on Some Metabolic Enzymes: An In vitro Study. Protein and Peptide Letters, 2019, 26, 364-370.	0.4	50
46	The Influence of Some Nonsteroidal Anti-inflammatory Drugs on Metabolic Enzymes of Aldose Reductase, Sorbitol Dehydrogenase, and Î±-Glycosidase: a Perspective for Metabolic Disorders. Applied Biochemistry and Biotechnology, 2020, 190, 437-447.	1.4	49
47	Inhibition effects of pesticides on glutathioneâ€Sâ€transferase enzyme activity of Van Lake fish liver. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22196.	1.4	47
48	Some indazoles reduced the activity of human serum paraoxonase 1, an antioxidant enzyme: in vitro inhibition and molecular modeling studies. Archives of Physiology and Biochemistry, 2019, 125, 387-395.	1.0	42
49	Design, synthesis, and biological activity of novel dithiocarbamateâ€methylsulfonyl hybrids as carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2022, 355, e2200132.	2.1	42
50	Synthesis, biological evaluation, and in silico study of novel library sulfonates containing quinazolinâ€4(<scp>3H</scp>)â€one derivatives as potential aldose reductase inhibitors. Drug Development Research, 2021, , .	1.4	41
51	THE EFFECT OF AL3+ AND HG2+ ON GLUCOSE 6-PHOSPHATE DEHYDROGENASE FROM CAPOETA UMBLA KIDNEY. Applied Ecology and Environmental Research, 2016, 14, 253-264.	0.2	39
52	In vivo changes in carbonic anhydrase activity and histopathology of gill and liver tissues after acute exposure to chlorpyrifos in rainbow trout. Arhiv Za Higijenu Rada I Toksikologiju, 2014, 65, 377-385.	0.4	37
53	Purification and characterization of the carbonic anhydrase enzyme from horse mackerel (Trachurus) Tj ETQq1 1 0.784314 rgBT /Over Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 226, 108605.	1.3	37
54	Beneficial effects of Urtica dioica on scopolamine-induced memory impairment in rats: protection against acetylcholinesterase activity and neuronal oxidative damage. Drug and Chemical Toxicology, 2019, 42, 167-175.	1.2	35

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55	Aminoalkylated Phenolic Chalcones: Investigation of Biological Effects on Acetylcholinesterase and Carbonic Anhydrase I and II as Potential Lead Enzyme Inhibitors. Letters in Drug Design and Discovery, 2020, 17, 1283-1292.	0.4	35
56	Infection Medications: Assessment Inâ€Vitro Glutathione Sâ€Transferase Inhibition and Molecular Docking Study. ChemistrySelect, 2021, 6, 11915-11924.	0.7	35
57	An extensive research on aldose reductase inhibitory effects of new 4H-1,2,4-triazole derivatives. Journal of Molecular Structure, 2021, 1224, 129446.	1.8	34
58	Carbonic anhydrase, obstructive sleep apnea and hypertension: Effects of intervention. Journal of Sleep Research, 2020, 29, e12956.	1.7	33
59	Identification of a new class of potent aldose reductase inhibitors: Design, microwave-assisted synthesis, in vitro and in silico evaluation of 2-pyrazolines. Chemico-Biological Interactions, 2021, 345, 109576.	1.7	33
60	Synthesis and in vitro carbonic anhydrases and acetylcholinesterase inhibitory activities of novel imidazolinoneâ€based benzenesulfonamides. Archiv Der Pharmazie, 2021, 354, e2000375.	2.1	32
61	New Pd(II) complexes of the bisthiocarbohydrazones derived from isatin and disubstituted salicylaldehydes: Synthesis, characterization, crystal structures and inhibitory properties against some metabolic enzymes. Journal of Biological Inorganic Chemistry, 2022, 27, 271-281.	1.1	30
62	Calcium Channel Blockers: The Effect of Glutathione Sâ€Transferase Enzyme Activity and Molecular Docking Studies. ChemistrySelect, 2021, 6, 11137-11143.	0.7	29
63	Purification and Biochemical Characterization of Phytase Enzyme from Lactobacillus coryniformis (MH121153). Molecular Biotechnology, 2018, 60, 783-790.	1.3	28
64	Inhibition effects of some antidepressant drugs on pentose phosphate pathway enzymes. Environmental Toxicology and Pharmacology, 2019, 72, 103244.	2.0	27
65	Synthesis of Nâ€alkylated pyrazolo[3,4â€d]pyrimidine analogs and evaluation of acetylcholinesterase and carbonic anhydrase inhibition properties. Archiv Der Pharmazie, 2021, 354, e2000330.	2.1	27
66	Isolation of Some Phenolic Compounds from Plantago subulata L. and Determination of Their Antidiabetic, Anticholinesterase, Antiepileptic and Antioxidant Activity. Chemistry and Biodiversity, 2022, 19, .	1.0	27
67	Synthesis and in silico studies of triazeneâ€substituted sulfamerazine derivatives as acetylcholinesterase and carbonic anhydrases inhibitors. Archiv Der Pharmazie, 2021, 354, e2000243.	2.1	26
68	Synthesis of benzamide derivatives with thioureaâ€substituted benzenesulfonamides as carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2021, 354, e2000230.	2.1	24
69	Differential effects of selective serotonin reuptake inhibitors on paraoxonase-1 enzyme activity: An in vitro study. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 226, 108608.	1.3	22
70	Purification of Polyphenol Oxidase from Potato and Investigation of the Inhibitory Effects of Phenolic Acids on Enzyme Activity. Protein and Peptide Letters, 2020, 27, 187-192.	0.4	22
71	Ophthalmic drugs: in vitro paraoxonase 1 inhibition and molecular docking studies. Biotechnology and Applied Biochemistry, 2022, 69, 2273-2283.	1.4	22
72	Some sulfonamides as aldose reductase inhibitors: therapeutic approach in diabetes. Archives of Physiology and Biochemistry, 2022, 128, 979-984.	1.0	21

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73	Pentafluorobenzyl-substituted benzimidazolium salts: Synthesis, characterization, crystal structures, computational studies and inhibitory properties of some metabolic enzymes. Journal of Molecular Structure, 2022, 1265, 133266.	1.8	21
74	Synthesis and bioactivities of 1-(4-hydroxyphenyl)-2-((heteroaryl)thio)ethanones as carbonic anhydrase I, II and acetylcholinesterase inhibitors. Turkish Journal of Chemistry, 2020, 44, 1058-1067.	0.5	20
75	Methyl benzoate derivatives: in vitro Paraoxonase 1 inhibition and in silico studies. Journal of Biochemical and Molecular Toxicology, 2022, 36, .	1.4	20
76	Design, synthesis, and aldose reductase inhibitory effect of some novel carboxylic acid derivatives bearing 2-substituted-6-aryloxo-pyridazinone moiety. Journal of Molecular Structure, 2022, 1258, 132675.	1.8	18
77	The effect of brimonidine and proparacaine on metabolic enzymes: Glucoseâ€6â€phosphate dehydrogenase, 6â€phosphogluconate dehydrogenase, and glutathione reductase. Biotechnology and Applied Biochemistry, 2022, 69, 281-288.	1.4	16
78	Novel Mannich bases with strong carbonic anhydrases and acetylcholinesterase inhibition effects: 3-(aminomethyl)-6-{3-[4-(trifluoromethyl)phenyl]acryloyl}-2(3H)- benzoxazolones. Turkish Journal of Chemistry, 2021, 45, 805-818.	0.5	15
79	Phytase from Weissella halotolerans: purification, partial characterisation and the effect of some metals. International Journal of Food Properties, 0, , 1-11.	1.3	14
80	Some indazoles as alternative inhibitors for potato polyphenol oxidase. Biotechnology and Applied Biochemistry, 2022, 69, 2249-2256.	1.4	9
81	Purification of the phytase enzyme from Lactobacillus plantarum: The effect on pansy growth and macroâ€“micro element content. Biotechnology and Applied Biochemistry, 2021, 68, 1067-1075.	1.4	8
82	Alcohol Dehydrogenase from Sheep Liver: Purification, Characterization and Impacts of Some Antibiotics. Journal of the Institute of Science and Technology, 2017, 7, 151-159.	0.3	7
83	Glutatyon RedÃ¼ktaz Enziminin Ä°nsan Eritrositlerinden SaflaÅŸtÄ±rÄ±lmasÄ±: BazÄ± Anti-epileptik ilaÃ§larÄ±n Ä°nhibisyon Profili. Journal of the Institute of Science and Technology, 2019, 9, 2140-2147.	0.3	6
84	Synthesis, characterization, crystal structure and bioactivities of novel enamine and pyrrole derivatives endowed with acetylcholinesterase, Î±-glycosidase and human carbonic anhydrase inhibition effects. Organic Communications, 0, , 144-156.	0.8	3
85	Some old 2-(4-(Aryl)- thiazole-2-yl)-3a,4,7,7a-tetrahydro-1H-4,7-tethanoisoindole-1,3(2H)-dione derivatives: Synthesis, inhibition effects and molecular docking studies on Aldose reductase and Î±-Glycosidase. Cumhuriyet Science Journal, 2021, 42, 553-564.	0.1	3
86	Synthesis and Enzyme Inhibitory Properties of Quinoxaline Bridged Bis(imidazolium) Salts. Heterocycles, 2022, 104, .	0.4	2
87	Inhibitory effects of novel benzamide derivatives towards acetylcholinesterase enzyme. Journal of the Turkish Chemical Society, Section A: Chemistry, 0, , 429-434.	0.4	0
88	The role of the Cellular Antioxidant Defense System on Oxidative Stress in Acute Appendicitis. Hacettepe Journal of Biology and Chemistry, 0, , .	0.3	0