Yeliz Demir

List of Publications by Year
in descending order

51 papers	2,554 citations	136740 32 h-index	205818 48 g-index
51 all docs	51 docs citations	51 times ranked	818 citing authors

#	Article	IF	Citations
1	Discovery of sulfadrugâ€“pyrrole conjugates as carbonic anhydrase and acetylcholinesterase inhibitors. Archiv Der Pharmazie, 2022, 355, e2100242.	2.1	156
2	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
3	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
4	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
5	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
6	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
7	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
8	Synthesis, characterisation, biological evaluation andin silicostudies of sulphonamide Schiff bases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 950-962.	2.5	70
9	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
10	Novel benzoic acid derivatives: Synthesis and biological evaluation as multitarget acetylcholinesterase and carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2021, 354, e2000282.	2.1	65
11	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
12	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
13	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
14	Sulfonamides incorporating ketene N,Sâ€acetal bioisosteres as potent carbonic anhydrase and acetylcholinesterase inhibitors. Archiv Der Pharmazie, 2020, 353, e1900383.	2.1	62
15	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
16	Inhibition effects of quinones on aldose reductase: Antidiabetic properties. Environmental Toxicology and Pharmacology, 2019, 70, 103195.	2.0	58
17	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
18	A new series of 2,4-thiazolidinediones endowed with potent aldose reductase inhibitory activity. Open Chemistry, 2021, 19, 347-357.	1.0	58

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19	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
20	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
21	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
22	Novel metabolic enzyme inhibitors designed through the molecular hybridization of thiazole and pyrazoline scaffolds. Archiv Der Pharmazie, 2021, 354, e2100294.	2.1	56
23	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
24	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
25	Synthesis, molecular docking analysis and carbonic anhydrase I-II inhibitory evaluation of new sulfonamide derivatives. Bioorganic Chemistry, 2019, 91, 103153.	2.0	52
26	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
27	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
28	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
29	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
30	Design, synthesis, and biological activity of novel dithiocarbamateâ€methylsulfonyl hybrids as carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2022, 355, e2200132.	2.1	42
31	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
32	Purification and characterization of the carbonic anhydrase enzyme from horse mackerel (Trachurus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 226, 108605.	1.3	37
33	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
34	Infection Medications: Assessment Inâ€Vitro Glutathione Sâ€Transferase Inhibition and Molecular Docking Study. ChemistrySelect, 2021, 6, 11915-11924.	0.7	35
35	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
36	Synthesis and in vitro carbonic anhydrases and acetylcholinesterase inhibitory activities of novel imidazolinoneâ€based benzenesulfonamides. Archiv Der Pharmazie, 2021, 354, e2000375.	2.1	32

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37	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
38	Calcium Channel Blockers: The Effect of Glutathione Sâ€Transferase Enzyme Activity and Molecular Docking Studies. ChemistrySelect, 2021, 6, 11137-11143.	0.7	29
39	Inhibition effects of some antidepressant drugs on pentose phosphate pathway enzymes. Environmental Toxicology and Pharmacology, 2019, 72, 103244.	2.0	27
40	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
41	Synthesis of benzamide derivatives with thioureaâ€substituted benzenesulfonamides as carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2021, 354, e2000230.	2.1	24
42	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
43	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
44	Ophthalmic drugs: in vitro paraoxonase 1 inhibition and molecular docking studies. Biotechnology and Applied Biochemistry, 2022, 69, 2273-2283.	1.4	22
45	Some sulfonamides as aldose reductase inhibitors: therapeutic approach in diabetes. Archives of Physiology and Biochemistry, 2022, 128, 979-984.	1.0	21
46	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
47	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
48	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
49	Some indazoles as alternative inhibitors for potato polyphenol oxidase. Biotechnology and Applied Biochemistry, 2022, 69, 2249-2256.	1.4	9
50	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
51	Synthesis and Enzyme Inhibitory Properties of Quinoxaline Bridged Bis(imidazolium) Salts. Heterocycles, 2022, 104, .	0.4	2