Parham Taslimi

List of Publications by Year
in descending order

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198	10,238	19608 61	49773 87
papers	citations	h-index	g-index

203	203	203	3643
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antioxidant and anticholinergic properties of olivetol. Journal of Food Biochemistry, 2018, 42, e12516.	1.2	197
2	Antidiabetic and antiparasitic potentials: Inhibition effects of some natural antioxidant compounds on Î±-glycosidase, Î±-amylase and human glutathione S-transferase enzymes. International Journal of Biological Macromolecules, 2018, 119, 741-746.	3.6	179
3	Antioxidant and acetylcholinesterase inhibition properties of novel bromophenol derivatives. Bioorganic Chemistry, 2015, 60, 49-57.	2.0	177
4	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
5	Screening the in vitro antioxidant, antimicrobial, anticholinesterase, antidiabetic activities of endemic Achillea cucullata (Asteraceae) ethanol extract. South African Journal of Botany, 2019, 120, 141-145.	1.2	163
6	Synthesis, biological evaluation and molecular docking of novel pyrazole derivatives as potent carbonic anhydrase and acetylcholinesterase inhibitors. Bioorganic Chemistry, 2019, 86, 420-427.	2.0	153
7	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
8	The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and Î±â€glycosidase enzymes: An antidiabetic, anticholinergic, and antiepileptic study. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21995.	1.4	130
9	Synthesis of chalcone-imide derivatives and investigation of their anticancer and antimicrobial activities, carbonic anhydrase and acetylcholinesterase enzymes inhibition profiles. Archives of Physiology and Biochemistry, 2018, 124, 61-68.	1.0	129
10	Phytochemical content, antioxidant activity, and enzyme inhibition effect ofSalvia eriophoraBoiss. & Kotschy against acetylcholinesterase, Î±-amylase, butyrylcholinesterase, and Î±-glycosidase enzymes. Journal of Food Biochemistry, 2019, 43, e12776.	1.2	128
11	The first synthesis, carbonic anhydrase inhibition and anticholinergic activities of some bromophenol derivatives with S including natural products. Bioorganic Chemistry, 2019, 85, 128-139.	2.0	127
12	Antioxidant Activity, Acetylcholinesterase, and Carbonic Anhydrase Inhibitory Properties of Novel Ureas Derived from Phenethylamines. Archiv Der Pharmazie, 2016, 349, 944-954.	2.1	125
13	Synthesis of 4,5-disubstituted-2-thioxo-1,2,3,4-tetrahydropyrimidines and investigation of their acetylcholinesterase, butyrylcholinesterase, carbonic anhydrase I/II inhibitory and antioxidant activities. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1-9.	2.5	125
14	Synthesis of diaryl ethers with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 79-85.	2.5	125
15	Inhibitory effects of isatin Mannich bases on carbonic anhydrases, acetylcholinesterase, and butyrylcholinesterase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1498-1501.	2.5	125
16	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
17	Synthesis, characterization, inhibition effects, and molecular docking studies as acetylcholinesterase, Î±-glycosidase, and carbonic anhydrase inhibitors of novel benzenesulfonamides incorporating 1,3,5-triazine structural motifs. Bioorganic Chemistry, 2020, 100, 103897.	2.0	125
18	Novel antioxidant bromophenols with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions. Bioorganic Chemistry, 2017, 74, 104-114.	2.0	121

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19	2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, Î±-glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. Journal of Molecular Structure, 2018, 1155, 797-806.	1.8	121
20	The first synthesis of 4-phenylbutenone derivative bromophenols including natural products and their inhibition profiles for carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase enzymes. Bioorganic Chemistry, 2017, 72, 359-366.	2.0	118
21	Synthesis, characterization, crystal structure, electrochemical studies and biological evaluation of metal complexes with thiosemicarbazone of glyoxylic acid. Polyhedron, 2018, 155, 25-33.	1.0	117
22	Investigation of inhibitory properties of some hydrazone compounds on hCA I, hCA II and AChE enzymes. Bioorganic Chemistry, 2019, 86, 316-321.	2.0	117
23	Synthesis, molecular modeling, and biological evaluation of 4â€[5â€arylâ€3â€(thiophenâ€2â€yl)â€4,5â€dihydroâ€1‹i›H‹/i›â€pyrazolâ€1â€yl] benzenesulfonamides toward acetylcholinesterase, carbonic anhydrase I and ‹scp›II‹/scp› enzymes. Chemical Biology and Drug Design, 2018, 91, 854-866.	1.5	116
24	Synthesis and bioactivity studies on new 4-(3-(4-Substitutedphenyl)-3a,4-dihydro-3‹i›H‹/i›-indeno[1,2-c]pyrazol-2-yl) benzenesulfonamides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1619-1624.	2.5	113
25	Synephrine and phenylephrine act as Î±â€amylase, Î±â€glycosidase, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase enzymes inhibitors. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21973.	1.4	111
26	Novel thymol bearing oxypropanolamine derivatives as potent some metabolic enzyme inhibitors â€“ Their antidiabetic, anticholinergic and antibacterial potentials. Bioorganic Chemistry, 2018, 81, 119-126.	2.0	111
27	Photocatalytic degradation of Rhodamine B (RhB) dye in waste water and enzymatic inhibition study using cauliflower shaped ZnO nanoparticles synthesized by a novel One-pot green synthesis method. Arabian Journal of Chemistry, 2021, 14, 103180.	2.3	111
28	Synthesis, characterization, crystal structure of novel bis-thiomethylcyclohexanone derivatives and their inhibitory properties against some metabolic enzymes. Bioorganic Chemistry, 2019, 82, 393-404.	2.0	110
29	Antidiabetic potential: ‹i›in vitro‹/i› inhibition effects of some natural phenolic compounds on Î±â€glycosidase and Î±â€amylase enzymes. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21956.	1.4	106
30	Sulfonamide inhibitors: a patent review 2013-present. Expert Opinion on Therapeutic Patents, 2018, 28, 541-549.	2.4	105
31	Synthesis of some tetrahydropyrimidine-5-carboxylates, determination of their metal chelating effects and inhibition profiles against acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1531-1539.	2.5	101
32	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
33	A hierarchical assembly of flower-like hybrid Turkish black radish peroxidase-Cu 2+ nanobiocatalyst and its effective use in dye decolorization. Chemosphere, 2017, 182, 122-128.	4.2	97
34	Synthesis, carbonic anhydrase I and II inhibition studies of the 1,3,5-trisubstituted-pyrazolines. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 189-192.	2.5	93
35	The synthesis of some Î²-lactams and investigation of their metal-chelating activity, carbonic anhydrase and acetylcholinesterase inhibition profiles. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 79-88.	2.5	92
36	The human carbonic anhydrase isoenzymes I and II (hCA I and II) inhibition effects of trimethoxyindane derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 152-157.	2.5	90

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37	The effects of some bromophenols on human carbonic anhydrase isoenzymes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 603-607.	2.5	90
38	Antidiabetic potential: In vitro inhibition effects of bromophenol and diarylmethanones derivatives on metabolic enzymes. Archiv Der Pharmazie, 2018, 351, e1800263.	2.1	89
39	Imidazolinium chloride salts bearing wingtip groups: Synthesis, molecular docking and metabolic enzymes inhibition. Journal of Molecular Structure, 2019, 1179, 709-718.	1.8	84
40	Anticholinergic, antidiabetic and antioxidant activities of Anatolian pennyroyal (Mentha) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (p Biotechnology, 2020, 23, 101441.	1.5	84
41	Novel eugenol bearing oxypropanolamines: Synthesis, characterization, antibacterial, antidiabetic, and anticholinergic potentials. Bioorganic Chemistry, 2019, 88, 102931.	2.0	83
42	Anti-Alzheimer, antidiabetic and antioxidant potential of Satureja cuneifolia and analysis of its phenolic contents by LC-MS/MS. Arabian Journal of Chemistry, 2020, 13, 4528-4537.	2.3	83
43	Synthesis of some novel pyridine compounds containing bisâ€1,2,4â€triazole/thiosemicarbazide moiety and investigation of their antioxidant properties, carbonic anhydrase, and acetylcholinesterase enzymes inhibition profiles. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22006.	1.4	81
44	Synthesis and biological evaluation of phloroglucinol derivatives possessing Î±â€glycosidase, acetylcholinesterase, butyrylcholinesterase, carbonic anhydrase inhibitory activity. Archiv Der Pharmazie, 2018, 351, 1700314.	2.1	79
45	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
46	Synthesis and biological evaluation of aminomethyl and alkoxymethyl derivatives as carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1174-1182.	2.5	77
47	Synthesis and biological evaluation of bromophenol derivatives with cyclopropyl moiety: Ring opening of cyclopropane with monoester. Bioorganic Chemistry, 2019, 89, 103017.	2.0	77
48	Novel NHC Precursors: Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties. Archiv Der Pharmazie, 2017, 350, e201700045.	2.1	75
49	Mono- or di-substituted imidazole derivatives for inhibition of acetylcholine and butyrylcholine esterases. Bioorganic Chemistry, 2019, 86, 187-196.	2.0	74
50	Synthesis and discovery of potent carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and Î±â€glycosidase enzymes inhibitors: The novel N,Nâ€²â€bisâ€cyanomethylamine and alkoxymethylamine derivatives. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22042.	1.4	72
51	Synthesis, characterization and crystal structure of 2-(4-hydroxyphenyl)ethyl and 2-(4-nitrophenyl)ethyl Substituted Benzimidazole Bromide Salts: Their inhibitory properties against carbonic anhydrase and acetylcholinesterase. Journal of Molecular Structure, 2018, 1170, 160-169.	1.8	72
52	Sage (Salvia pilifera): determination of its polyphenol contents, anticholinergic, antidiabetic and antioxidant activities. Journal of Food Measurement and Characterization, 2019, 13, 2062-2074.	1.6	70
53	Synthesis of Mannich Bases by Two Different Methods and Evaluation of their Acetylcholine Esterase and Carbonic Anhydrase Inhibitory Activities. Letters in Drug Design and Discovery, 2017, 14, 573-580.	0.4	70
54	Novel morpholine liganded Pd-based N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, antidiabetic and anticholinergic properties. Polyhedron, 2019, 159, 345-354.	1.0	69

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55	Benzenesulfonamide derivatives as potent acetylcholinesterase, Î±-glycosidase, and glutathione S-transferase inhibitors: biological evaluation and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5449-5460.	2.0	69
56	Novel Benzylic Substituted Imidazolinium, Tetrahydropyrimidinium and Tetrahydrodiazepinium Salts: Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors. ChemistrySelect, 2018, 3, 7976-7982.	0.7	68
57	Assessments of anticholinergic, antidiabetic, antioxidant activities and phenolic content of Stachys annua. Biocatalysis and Agricultural Biotechnology, 2020, 28, 101711.	1.5	68
58	Synthesis and bioactivity of several new hetaryl sulfonamides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 137-145.	2.5	67
59	Synthesis, Characterization, and Inhibition Study of Novel Substituted Phenylureido Sulfaguanidine Derivatives as Î±â€Glycosidase and Cholinesterase Inhibitors. Chemistry and Biodiversity, 2021, 18, e2000958.	1.0	67
60	Discovery of Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors: 2-Aminoindan Î²-Lactam Derivatives. International Journal of Molecular Sciences, 2016, 17, 1736.	1.8	66
61	Synthesis, characterization, crystal structures, theoretical calculations and biological evaluations of novel substituted tacrine derivatives as cholinesterase and carbonic anhydrase enzymes inhibitors. Journal of Molecular Structure, 2019, 1175, 906-915.	1.8	64
62	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
63	Synthesis of nitrogen, phosphorus, selenium and sulfur-containing heterocyclic compounds â€“ Determination of their carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase and Î±-glycosidase inhibition properties. Bioorganic Chemistry, 2020, 103, 104171.	2.0	64
64	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
65	Some pyrazoles derivatives: Potent carbonic anhydrase, Î±â€glycosidase, and cholinesterase enzymes inhibitors. Archiv Der Pharmazie, 2018, 351, e1800200.	2.1	62
66	metaâ€Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, Î±â€glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. Archiv Der Pharmazie, 2018, 351, e1800029.	2.1	62
67	Novel Nâ€propylphthalimideâ€and 4â€vinylbenzylâ€substituted benzimidazole salts: Synthesis, characterization, and determination of their metal chelating effects and inhibition profiles against acetylcholinesterase and carbonic anhydrase enzymes. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22009.	1.4	61
68	Novel tribenzylaminobenzolsulphonylimine based on their pyrazine and pyridazines: Synthesis, characterization, antidiabetic, anticancer, anticholinergic, and molecular docking studies. Bioorganic Chemistry, 2019, 93, 103313.	2.0	60
69	Synthesis, characterization, molecular docking and biological activities of novel pyrazoline derivatives. Archiv Der Pharmazie, 2019, 352, e1800359.	2.1	59
70	Synthesis, characterization, biological evaluation, and in silico studies of novel 1,3â€diaryltriazeneâ€substituted sulfathiazole derivatives. Archiv Der Pharmazie, 2020, 353, e2000102.	2.1	59
71	Synthesis of 4-(2-substituted hydrazinyl)benzenesulfonamides and their carbonic anhydrase inhibitory effects. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 568-573.	2.5	58
72	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

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73	Synthesis of new cyclic thioureas and evaluation of their metalâ€chelating activity, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase inhibition profiles. Journal of Biochemical and Molecular Toxicology, 2017, 31, N/A.	1.4	56
74	Synthesis and antioxidant activities of phenol derivatives from 1,6-bis(dimethoxyphenyl)hexane-1,6-dione. Bioorganic Chemistry, 2020, 100, 103884.	2.0	56
75	Pyrazole[3,4-d]pyridazine derivatives: Molecular docking and explore of acetylcholinesterase and carbonic anhydrase enzymes inhibitors as anticholinergics potentials. Bioorganic Chemistry, 2019, 92, 103213.	2.0	55
76	Probing 4-(diethylamino)-salicylaldehyde-based thiosemicarbazones as multi-target directed ligands against cholinesterases, carbonic anhydrases and Î±-glycosidase enzymes. Bioorganic Chemistry, 2021, 107, 104554.	2.0	54
77	Novel inhibitors with sulfamethazine backbone: synthesis and biological study of multi-target cholinesterases and Î±-glucosidase inhibitors. Journal of Biomolecular Structure and Dynamics, 2022, 40, 8752-8764.	2.0	54
78	Synthesis and investigation of the conversion reactions of pyrimidineâ€thiones with nucleophilic reagent and evaluation of their acetylcholinesterase, carbonic anhydrase inhibition, and antioxidant activities. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22019.	1.4	53
79	Cholinesterases, Î±-glycosidase, and carbonic anhydrase inhibition properties of 1H-pyrazolo[1,2-b]phthalazine-5,10-dione derivatives: Synthetic analogues for the treatment of Alzheimer's disease and diabetes mellitus. Bioorganic Chemistry, 2020, 97, 103647.	2.0	53
80	Tannic acid as a natural antioxidant compound: Discovery of a potent metabolic enzyme inhibitor for a new therapeutic approach in diabetes and Alzheimer's disease. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22340.	1.4	52
81	Synthesis, characterization, molecular docking, and biological activities of coumarinâ€“1,2,3â€triazoleâ€acetamide hybrid derivatives. Archiv Der Pharmazie, 2020, 353, e2000109.	2.1	50
82	Synthesis, crystal structure, and biological evaluation of optically active 2â€aminoâ€4â€arylâ€7,7â€dimethylâ€5â€oxoâ€5,6,7,8â€tetrahydroâ€4Hâ€chromenâ€3â€carbonitriles: Antiepileptic, antidiabetic, and anticholinergics potentials. Archiv Der Pharmazie, 2019, 352, e1800317.	2.1	49
83	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
84	Novel 2-methylimidazolium salts: Synthesis, characterization, molecular docking, and carbonic anhydrase and acetylcholinesterase inhibitory properties. Bioorganic Chemistry, 2020, 94, 103468.	2.0	49
85	Synthesis, spectroscopic properties, crystal structures, antioxidant activities and enzyme inhibition determination of Co(II) and Fe(II) complexes of Schiff base. Research on Chemical Intermediates, 2020, 46, 283-297.	1.3	48
86	The effects of some antibiotics from cephalosporin groups on the acetylcholinesterase and butyrylcholinesterase enzymes activities in different tissues of rats. Archives of Physiology and Biochemistry, 2019, 125, 12-18.	1.0	47
87	Synthesis, crystal structure and biological evaluation of spectroscopic characterization of Ni(II) and Co(II) complexes with Nâ€salicyloilâ€Nâ€²â€maleoilâ€hydrazine as anticholinergic and antidiabetic agents. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22197.	1.4	46
88	In vitro cytotoxic and in vivo antitumoral activities of some aminomethyl derivatives of 2,4â€dihydroâ€3Hâ€1,2,4â€triazoleâ€3â€thionesâ€”Evaluation of their acetylcholinesterase and carbonic anhydrase enzymes inhibition profiles. Journal of Biochemical and Molecular Toxicology, 2019, 33, e22239.	1.4	46
89	Synthesis, characterization, crystal structure of the coordination polymer Zn(II) with thiosemicarbazone of glyoxalic acid and their inhibitory properties against some metabolic enzymes. Bioorganic Chemistry, 2019, 83, 55-62.	2.0	44
90	Novel functionally substituted esters based on sodium diethyldithiocarbamate derivatives: Synthesis, characterization, biological activity and molecular docking studies. Bioorganic Chemistry, 2020, 99, 103762.	2.0	44

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91	Novel propanolamine derivatives attached to 2-metoxifenol moiety: Synthesis, characterization, biological properties, and molecular docking studies. Bioorganic Chemistry, 2020, 101, 103969.	2.0	44
92	Discovery of potent carbonic anhydrase, acetylcholinesterase, and butyrylcholinesterase enzymes inhibitors: The new amides and thiazolidine-4-ones synthesized on an acetophenone base. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21931.	1.4	43
93	Investigation of acetylcholinesterase and mammalian DNA topoisomerases, carbonic anhydrase inhibition profiles, and cytotoxic activity of novel bis(Î±â€aminoalkyl)phosphinic acid derivatives against human breast cancer. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21971.	1.4	43
94	Novel amides of 1,1â€bisâ€(carboxymethylthio)â€1â€arylethanes: Synthesis, characterization, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase inhibitory properties. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22191.	1.4	42
95	A Novel Ag-N-Heterocyclic Carbene Complex Bearing the Hydroxyethyl Ligand: Synthesis, Characterization, Crystal and Spectral Structures and Bioactivity Properties. Crystals, 2020, 10, 171.	1.0	42
96	Evaluation of acetylcholinesterase and carbonic anhydrase inhibition profiles of 1,2,3,4,6-pentasubstituted-4-hydroxy-cyclohexanes. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21938.	1.4	41
97	Synthesis and Carbonic Anhydrase Inhibition of Tetrabromo Chalcone Derivatives. Archiv Der Pharmazie, 2017, 350, 1700198.	2.1	41
98	Inhibitory effects of oxytocin and oxytocin receptor antagonist atosiban on the activities of carbonic anhydrase and acetylcholinesterase enzymes in the liver and kidney tissues of rats. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21972.	1.4	40
99	Design, synthesis, characterization, enzymatic inhibition evaluations, and docking study of novel quinazolinone derivatives. International Journal of Biological Macromolecules, 2021, 170, 1-12.	3.6	40
100	Synthesis and investigation of antibacterial activities and carbonic anhydrase and acetyl cholinesterase inhibition profiles of novel 4,5-dihydropyrazol and pyrazolyl-thiazole derivatives containing methanoisoindol-1,3-dion unit. Synthetic Communications, 2017, 47, 2313-2323.	1.1	39
101	The biological activities, molecular docking studies, and anticancer effects of 1-arylsuphonylpyrazole derivatives. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1-11.	2.0	39
102	Cytotoxic effects, carbonic anhydrase isoenzymes, Î±-glycosidase and acetylcholinesterase inhibitory properties, and molecular docking studies of heteroatom-containing sulfonyl hydrazone derivatives. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5539-5550.	2.0	38
103	Synthesis, characterization and bioactivities of dative donor ligand N-heterocyclic carbene (NHC) precursors and their Ag(I)NHC coordination compounds. Polyhedron, 2021, 193, 114866.	1.0	38
104	Novel sulfamate derivatives of menthol: Synthesis, characterization, and cholinesterases and carbonic anhydrase enzymes inhibition properties. Archiv Der Pharmazie, 2018, 351, e1800209.	2.1	37
105	Purification and characterization of the carbonic anhydrase enzyme from horse mackerel (Trachurus) Tj ETQq1 1 0.784314 rgBT /Ove Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 226, 108605.	1.3	37
106	Probing 2-acetylbenzofuran hydrazones and their metal complexes as Î±-glucosidase inhibitors. Bioorganic Chemistry, 2020, 102, 104082.	2.0	37
107	Novel carvacrol based new oxypropanolamine derivatives: Design, synthesis, characterization, biological evaluation, and molecular docking studies. Journal of Molecular Structure, 2020, 1202, 127297.	1.8	35
108	Biogenic nano silver: Synthesis, characterization, antibacterial, antibiofilms, and enzymatic activity. Advanced Powder Technology, 2020, 31, 2942-2950.	2.0	34

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109	Novel amine-functionalized benzimidazolium salts: Synthesis, characterization, bioactivity, and molecular docking studies. Journal of Molecular Structure, 2020, 1207, 127802.	1.8	34
110	Schiff bases and their amines: Synthesis and discovery of carbonic anhydrase and acetylcholinesterase enzymes inhibitors. Archiv Der Pharmazie, 2018, 351, e1800146.	2.1	33
111	Synthesis, biological activity and docking calculations of bis-naphthoquinone derivatives from Lawsone. Bioorganic Chemistry, 2021, 114, 105069.	2.0	33
112	Design, synthesis, characterization, biological evaluation, and molecular docking studies of novel 1,2-aminopropanthiols substituted derivatives as selective carbonic anhydrase, acetylcholinesterase and Î±-glycosidase enzymes inhibitors. Journal of Biomolecular Structure and Dynamics, 2022, 40, 236-248.	2.0	32
113	Synthesis, characterization, photo-physicochemical and biological properties of water-soluble tetra-substituted phthalocyanines: Antidiabetic, anticancer and anticholinergic potentials. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 396, 112511.	2.0	32
114	Synthesis, characterization, crystal structure and bioactivity properties of the benzimidazole-functionalized PEPPSI type of Pd(II)NHC complexes. Journal of Molecular Structure, 2021, 1228, 129442.	1.8	32
115	The in vivo effects of cefazolin, cefuroxime, and cefoperazon on the carbonic anhydrase in different rat tissues. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22041.	1.4	31
116	Synthesis and investigation of anticancer, antibacterial activities and carbonic anhydrase, acetylcholinesterase inhibition profiles of novel (3aR,4S,7R,7aS)-2-[4-[1-acetyl-5-(aryl/heteroaryl)-4,5-dihydro-1H-pyrazol-3-yl]phenyl]-3a,4,7,7a-tetrahydro-1H-4,7-methanoisoindole-1,3(Monatshefte FÃ¼r Chemie, 2019, 150, 721-731.	0.9	31
117	Synthesis of water soluble tetra-substituted phthalocyanines: Investigation of DNA cleavage, cytotoxic effects and metabolic enzymes inhibition. Journal of Molecular Structure, 2020, 1214, 128210.	1.8	31
118	Synthesis, characterization, antioxidant, antidiabetic, anticholinergic, and antiepileptic properties of novel Nâ€substituted tetrahydropyrimidines based on phenylthiourea. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22221.	1.4	30
119	Intermolecular amination of allylic and benzylic alcohols leads to effective inhibitions of acetylcholinesterase enzyme and carbonic anhydrase I and II isoenzymes. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22173.	1.4	30
120	Aminopyrazoleâ€substituted metallophthalocyanines: Preparation, aggregation behavior, and investigation of metabolic enzymes inhibition properties. Archiv Der Pharmazie, 2019, 352, e1800292.	2.1	30
121	Novel potential metabolic enzymes inhibitor, photosensitizer and antibacterial agents based on water-soluble phthalocyanine bearing imidazole derivative. Journal of Molecular Structure, 2021, 1237, 130402.	1.8	30
122	Synthesis and characterization of novel substituted thiophene derivatives and discovery of their carbonic anhydrase and acetylcholinesterase inhibition effects. Journal of Biochemical and Molecular Toxicology, 2018, 33, e22261.	1.4	29
123	Preliminary phytochemical analysis and evaluation of in vitro antioxidant, antiproliferative, antidiabetic, and anticholinergics effects of endemicGypsophilataxa from Turkey. Journal of Food Biochemistry, 2019, 43, e12908.	1.2	29
124	Synthesis, characterization, biological evaluation, and molecular docking studies of some piperonylâ€based 4â€thiazolidinone derivatives. Archiv Der Pharmazie, 2020, 353, e1900304.	2.1	29
125	Quinolineâ€based promising anticancer and antibacterial agents, and some metabolic enzyme inhibitors. Archiv Der Pharmazie, 2020, 353, e2000086.	2.1	29
126	Determination of anticancer properties and inhibitory effects of some metabolic enzymes including acetylcholinesterase, butyrylcholinesterase, alpha-glycosidase of some compounds with molecular docking study. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3693-3702.	2.0	29

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127	PEPPSI type Pd(II)NHC complexes bearing chloro-/fluorobenzyl group: Synthesis, characterization, crystal structures, Î±-glycosidase and acetylcholinesterase inhibitory properties. Polyhedron, 2021, 198, 115060.	1.0	29
128	Cytotoxic effect, spectroscopy, DFT, enzyme inhibition, and moleculer docking studies of some novel mesitylaminopropanols: Antidiabetic and anticholinergics and anticancer potentials. Journal of Molecular Liquids, 2021, 344, 117761.	2.3	29
129	Synthesis, characterization, and SAR of arylated indenoquinolineâ€based cholinesterase and carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2018, 351, e1800167.	2.1	27
130	Synthesis, bioactivity and binding energy calculations of novel 3-ethoxysalicylaldehyde based thiosemicarbazone derivatives. Bioorganic Chemistry, 2020, 100, 103924.	2.0	27
131	Synthesis, characterization, biological activity and molecular docking studies of novel schiff bases derived from thiosemicarbazide: Biochemical and computational approach. Journal of Molecular Structure, 2021, 1231, 129666.	1.8	27
132	Polyphenol Contents, Potential Antioxidant, Anticholinergic and Antidiabetic Properties of Mountain Mint (Cyclotrichium leucotrichum). Chemistry and Biodiversity, 2022, 19, .	1.0	27
133	Biologically active phthalocyanine metal complexes:ÂPreparation, evaluation of Î±â€glycosidase andÂanticholinesterase enzyme inhibition activities, and molecular docking studies. Journal of Biochemical and Molecular Toxicology, 2021, 35, 1-9.	1.4	26
134	Selenourea and thiourea derivatives of chiral and achiral enetetramines: Synthesis, characterization and enzyme inhibitory properties. Bioorganic Chemistry, 2022, 120, 105566.	2.0	26
135	Novel cyclic thiourea derivatives of aminoalcohols at the presence of AlCl3 catalyst as potent Î±-glycosidase and Î±-amylase inhibitors: Synthesis, characterization, bioactivity investigation and molecular docking studies. Bioorganic Chemistry, 2020, 104, 104216.	2.0	25
136	Bioactivity and molecular docking studies of some nickel complexes: New analogues for the treatment of Alzheimer, glaucoma and epileptic diseases. Bioorganic Chemistry, 2020, 101, 104066.	2.0	25
137	Design, synthesis, molecular docking, and some metabolic enzymeÂinhibition properties of novel quinazolinone derivatives. Archiv Der Pharmazie, 2021, 354, e2000455.	2.1	25
138	Investigation of the effects of cephalosporin antibiotics on glutathione S-transferase activity in different tissues of rats in vivo conditions in order to drug development research. Drug and Chemical Toxicology, 2020, 43, 423-428.	1.2	24
139	1,2,3-Triazole substituted phthalocyanine metal complexes as potential inhibitors for anticholinesterase and antidiabetic enzymes with molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4429-4439.	2.0	24
140	Novel piperazine and morpholine substituted quinolines: Selective synthesis through activation of 3,6,8-tribromoquinoline, characterization and their some metabolic enzymes inhibition potentials. Journal of Molecular Structure, 2020, 1220, 128666.	1.8	23
141	Synthesis, molecular docking, and biological activities of new cyanopyridine derivatives containing phenylurea. Archiv Der Pharmazie, 2021, 354, e2000334.	2.1	23
142	Phthalocyanine complexes with (4-isopropylbenzyl)oxy substituents: preparation and evaluation of anti-carbonic anhydrase, anticholinesterase enzymes and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 733-741.	2.0	22
143	Synthesis, characterization, and biological studies of chalcone derivatives containing Schiff bases: Synthetic derivatives for the treatment of epilepsy and Alzheimer's disease. Archiv Der Pharmazie, 2020, 353, e2000202.	2.1	22
144	Evaluation of synthetic 2-aryl quinoxaline derivatives as Î±-amylase, Î±-glucosidase, acetylcholinesterase, and butyrylcholinesterase inhibitors. International Journal of Biological Macromolecules, 2022, 211, 653-668.	3.6	22

#	Article	IF	Citations
145	Synthesis, Characterization, Molecular Docking, Acetylcholinesterase and Î±â€Glycosidase Inhibition Profiles of Nitrogenâ€Based Novel Heterocyclic Compounds. ChemistrySelect, 2022, 7, .	0.7	20
146	Novel benzo[b]xanthene derivatives: Bismuth(III) triflateâ€catalyzed oneâ€pot synthesis, characterization, and acetylcholinesterase, glutathione Sâ€transferase, and butyrylcholinesterase inhibitory properties. Archiv Der Pharmazie, 2020, 353, 2000030.	2.1	19
147	Evaluation of in vitro inhibitory effects of some natural compounds on tyrosinase activity and molecular docking study: Antimelanogenesis potential. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22566.	1.4	19
148	Determination of biological studies and molecular docking calculations of isatin-thiosemicarbazone hybrid compounds. Journal of Molecular Structure, 2022, 1264, 133249.	1.8	18
149	Silver Nâ€heterocyclic carbene complexes bearing fluorinated benzyl group: Synthesis, characterization, crystal structure, computational studies, and inhibitory properties against some metabolic enzymes. Applied Organometallic Chemistry, 2021, 35, e6312.	1.7	17
150	Synthesis, characterization, crystal structure, Î±â€glycosidase, and acetylcholinesterase inhibitory properties of 1,3â€disubstituted benzimidazolium salts. Archiv Der Pharmazie, 2021, 354, e2000422.	2.1	16
151	Co and Zn Metal Phthalocyanines with Bulky Substituents: Anticancer, Antibacterial Activities and Their Inhibitory Effects on Some Metabolic Enzymes with Molecular Docking Studies. Polycyclic Aromatic Compounds, 2022, 42, 4475-4486.	1.4	16
152	Inhibitory effects of some drugs on carbonic anhydrase enzyme purified from Kangal Akkaraman sheep in Sivas, Turkey. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22000.	1.4	15
153	Characterization and inhibition effects of some metal ions on carbonic anhydrase enzyme from Kangal Akkaraman sheep. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22172.	1.4	15
154	Novel phenolic Mannich base derivatives: synthesis, bioactivity, molecular docking, and ADME-Tox Studies. Journal of the Iranian Chemical Society, 0, , 1.	1.2	15
155	The effects of wireless electromagnetic fields on the activities of carbonic anhydrase and acetylcholinesterase enzymes in various tissues of rats. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22031.	1.4	14
156	Biological effects and molecular docking studies of Catechin 5-O-gallate: antioxidant, anticholinergics, antiepileptic and antidiabetic potentials. Journal of Biomolecular Structure and Dynamics, 2022, 40, 2489-2497.	2.0	14
157	Effects of some phenolic compounds on the inhibition of Î±-glycosidase enzyme-immobilized on PluronicÂ®F127 micelles: An in vitro and in silico study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 632, 127839.	2.3	14
158	Potential thiosemicarbazoneâ€based enzyme inhibitors: Assessment of antiproliferative activity, metabolic enzyme inhibition properties, and molecular docking calculations. Journal of Biochemical and Molecular Toxicology, 2022, 36, e23018.	1.4	14
159	In silico analysis of the molecular interaction and bioavailability properties between some alkaloids and human serum albumin. Structural Chemistry, 2022, 33, 1199-1212.	1.0	14
160	Synthesis and docking calculations of tetrafluoronaphthalene derivatives and their inhibition profiles against some metabolic enzymes. Archiv Der Pharmazie, 2021, 354, e2000409.	2.1	13
161	Cytotoxicity effects and biochemical investigation of novel tetrakis-phthalocyanines bearing 2-thiocytosine moieties with molecular docking studies. Inorganic Chemistry Communication, 2022, 138, 109263.	1.8	13
162	N â€Substituted pyrimidinethione and acetophenone derivatives as a new therapeutic approach in diabetes. Archiv Der Pharmazie, 2020, 353, 2000075.	2.1	12

#	Article	IF	Citations
163	New quinoxalinâ€1,3,4â€oxadiazole derivatives: Synthesis, characterization, in vitro biological evaluations, and molecular modeling studies. Archiv Der Pharmazie, 2021, 354, e2000471.	2.1	12
164	ADME properties, bioactivity and molecular docking studies of 4-amino-chalcone derivatives: new analogues for the treatment of Alzheimer, glaucoma and epileptic diseases. In Silico Pharmacology, 2021, 9, 34.	1.8	12
165	Synthesis, biological and theoretical properties of crystal zinc complex with thiosemicarbazone of glyoxylic acid. Journal of Molecular Structure, 2022, 1248, 131470.	1.8	12
166	Benzimidazolium salts bearing the trifluoromethyl group as organofluorine compounds: Synthesis, characterization, crystal structure, in silico study, and inhibitory profiles against acetylcholinesterase and Î±â€glycosidase. Journal of Biochemical and Molecular Toxicology, 2022, 36, e23001.	1.4	12
167	Assessment of antimicrobial and enzymes inhibition effects of Allium kastambulense with in silico studies: Analysis of its phenolic compounds and flavonoid contents. Arabian Journal of Chemistry, 2022, 15, 103810.	2.3	12
168	Chemical characterization and neuroprotective properties of copper nanoparticles green-synthesized by nigella sativa L. seed aqueous extract against methadone-induced cell death in adrenal phaeochromocytoma (PC12) cell line. Journal of Experimental Nanoscience, 2020, 15, 280-296.	1.3	11
169	Metal contained Phthalocyanines with 3,4-Dimethoxyphenethoxy substituents: their anticancer, antibacterial activities and their inhibitory effects on some metabolic enzymes with molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 2991-3002.	2.0	11
170	Unravelling the phenolic compound reserves, antioxidant and enzyme inhibitory activities of an endemic plant species, Achillea pseudoaleppica. Journal of Biomolecular Structure and Dynamics, 2023, 41, 445-456.	2.0	11
171	Novel amino acid Schiff base Zn(II) complexes as new therapeutic approaches in diabetes and Alzheimer's disease: Synthesis, characterization, biological evaluation, and molecular docking studies. Journal of Biochemical and Molecular Toxicology, 2022, 36, e22969.	1.4	11
172	New 4â€phenylpiperazineâ€carbodithioateâ€Nâ€phenylacetamide hybrids: Synthesis, in vitro and in silico evaluations against cholinesterase and Î±â€glucosidase enzymes. Archiv Der Pharmazie, 2022, 355, e2100313.	2.1	11
173	Synthesis of Î²â€amino acid derivatives and their inhibitory profiles against some metabolic enzymes. Archiv Der Pharmazie, 2019, 352, e1900200.	2.1	10
174	Novel zinc compound with thiosemicarbazone of glyoxylic acid: Synthesis, crystal structure, and bioactivity properties. Journal of Molecular Structure, 2020, 1200, 127082.	1.8	10
175	Novel silver(I)<scp>Nâ€heterocyclic</scp> carbene complexes bearing 2â€(4â€hydroxyphenyl)ethyl group: Synthesis, characterization, and enzyme inhibition properties. Journal of Heterocyclic Chemistry, 2021, 58, 603-611.	1.4	10
176	Oleuropein and Verbascoside - Their Inhibition Effects on Carbonic Anhydrase and Molecular Docking Studies. Journal of Oleo Science, 2021, 70, 1275-1283.	0.6	10
177	Synthesis, and in vitro biological evaluations of novel naphthoquinone conjugated to aryl triazole acetamide derivatives as potential anti-Alzheimer agents. Journal of Molecular Structure, 2022, 1255, 132229.	1.8	10
178	Some phenolic natural compounds as carbonic anhydrase inhibitors: An in vitro and in silico study. Archiv Der Pharmazie, 2022, 355, e2100476.	2.1	10
179	Novel quinazolinâ€“sulfonamid derivatives: synthesis, characterization, biological evaluation, and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2020, , 1-12.	2.0	9
180	Design, synthesis, in vitro and in silico biological assays of new quinazolinone-2-thio-metronidazole derivatives. Journal of Molecular Structure, 2021, 1244, 130889.	1.8	9

#	Article	IF	Citations
181	Synthesis, characterization and biological evaluation of Nâ€substituted triazinaneâ€2â€thiones and theoreticalâ€“experimental mechanism of condensation reaction. Applied Organometallic Chemistry, 2020, 34, e5329.	1.7	8
182	Fatty acid composition, enzyme inhibitory effect, antioxidant and anticancer activity of extract from Saponaria prostrata WILLD. subsp. anatolica HEDGE. Bioorganic Chemistry, 2021, 113, 105032.	2.0	8
183	Biological Activity and Molecular Docking Study of Some Bicyclic Structures: Antidiabetic and Anticholinergic Potentials. Polycyclic Aromatic Compounds, 2022, 42, 6003-6016.	1.4	8
184	2 H â€indazolo [2,1â€b]phthalazineâ€trione derivatives: Inhibition on some metabolic enzymes and molecular docking studies. Journal of Heterocyclic Chemistry, 2020, 57, 3116-3125.	1.4	8
185	Phytochemical Analysis and Biological Evaluation ofÂHypericum linarioidesÂBosse: in Vitro and in Silico Studies. ChemistrySelect, 2022, 7, .	0.7	8
186	Synthesis, spectroscopic characterization, crystal structure, density functional theory studies and biological properties of coordination complex Ni(II) 2â€fluorobenzoate with 3â€hydroxypyridine. Applied Organometallic Chemistry, 2020, 34, e5802.	1.7	7
187	Supramolecular complexes of Ni (II) and Co (II) 4â€aminobenzoate with 3â€cyanopyridine: Synthesis, spectroscopic characterization, crystal structure, and enzyme inhibitory properties. Applied Organometallic Chemistry, 2021, 35, e6182.	1.7	7
188	The Evaluation of Anticancer, Antioxidant, Antidiabetic and Anticholinergic Potentials of Endemic Rhabdosciadium microcalycinum Supported by Molecular Docking Study. ChemistrySelect, 2022, 7, .	0.7	7
189	The Impacts of Some Sedative Drugs on α -Glycosidase, Acetylcholinesterase and Butyrylcholinesterase Enzymes-potential Drugs for Some Metabolic Diseases. Letters in Drug Design and Discovery, 2019, 16, 592-596.	0.4	6
190	1,<scp>3â€dipolar</scp> cycloaddition reactions of the compound obtaining from <scp>cyclopentadieneâ€PTAD</scp> and biological activities of adducts formed selectively. Journal of Heterocyclic Chemistry, 2022, 59, 864-878.	1.4	5
191	Improvement of photochemical and enzyme inhibition properties of new BODIPY compound by conjugation with cisplatin. Polyhedron, 2022, 225, 116042.	1.0	5
192	Composition characterization and biological activity study of Thymbra spicata l. var. spicata essential oil. Cumhuriyet Science Journal, 2021, 42, 565-575.	0.1	4
193	Novel tetrakisâ€“phthalocyanines bearing pyrimidine derivative: crystal XRD analysis, enzyme inhibition, molecular docking, and anticancer effects. Journal of Biomolecular Structure and Dynamics, 2023, 41, 249-262.	2.0	4
194	In vitro inhibitory effects of some acetophenone derivatives on some metabolic enzymes and molecular docking. Archiv Der Pharmazie, 2020, 353, e2000210.	2.1	3
195	Sivas da YetiÅŸen Endemik Bir Bitki Olan Astragalus Dumanii'nin Antikolinerjik, Antidiyabetik ve Antioksidan Aktivitesinin DeÄŸerlendirilmesi. KahramanmaraÅŸ SÃ¼tÃ§Ã¼ Ä°mam Ãœniversitesi TarÄ±m Ve DoÄŸa Dergisi, 2022, 25, 1-10.	0.2	3
196	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 Ì±-Glycosidase. Cumhuriyet Science Journal, 2021, 42, 553-564.	0.1	3
197	Biologyâ€oriented drug synthesis and evaluation of secnidazole esters as novel enzyme Ä±nhibitors. Archiv Der Pharmazie, 2022, 355, e2100376.	2.1	3
198	Nickel Supported MCM-Functionalized 1,2,3-Triazol-4-ylmethanamine: An Efficient Nano-particle-Heterogeneous Catalyst Activate for Suzuki Reaction. Catalysis Letters, 2022, 152, 2186-2199.	1.4	1