

Fikret Trkan

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295
papers

19,505
citations

78
h-index

128
g-index

301
ext. papers

22,800
ext. citations

3.9
avg, IF

7.92
L-index

#	Paper	IF	Citations
295	Antioxidant and radical scavenging properties of curcumin. <i>Chemico-Biological Interactions</i> , 2008 , 174, 27-37	5	1102
294	Antioxidant activity of food constituents: an overview. <i>Archives of Toxicology</i> , 2012 , 86, 345-91	5.8	929
293	Antioxidant activity of caffeic acid (3,4-dihydroxycinnamic acid). <i>Toxicology</i> , 2006 , 217, 213-20	4.4	725
292	Antioxidant and antiradical activities of L-carnitine. <i>Life Sciences</i> , 2006 , 78, 803-11	6.8	621
291	Antioxidant properties of resveratrol: A structure-activity insight. <i>Innovative Food Science and Emerging Technologies</i> , 2010 , 11, 210-218	6.8	491
290	Antioxidant, antimicrobial, antiulcer and analgesic activities of nettle (<i>Urtica dioica</i> L.). <i>Journal of Ethnopharmacology</i> , 2004 , 90, 205-15	5	479
289	Radical scavenging and antioxidant activity of tannic acid. <i>Arabian Journal of Chemistry</i> , 2010 , 3, 43-53	5.9	468
288	Antioxidants and antioxidant methods: an updated overview. <i>Archives of Toxicology</i> , 2020 , 94, 651-715	5.8	365
287	Polyphenol contents and antioxidant activity of lyophilized aqueous extract of propolis from Erzurum, Turkey. <i>Food and Chemical Toxicology</i> , 2010 , 48, 2227-38	4.7	255
286	Antioxidant activity of clove oil [A powerful antioxidant source. <i>Arabian Journal of Chemistry</i> , 2012 , 5, 489-499	5.9	235
285	Polyphenol contents and in vitro antioxidant activities of lyophilised aqueous extract of kiwifruit (<i>Actinidia deliciosa</i>). <i>Food Research International</i> , 2011 , 44, 1482-1489	7	212
284	Carbonic anhydrase inhibitors. Inhibition of human erythrocyte isozymes I and II with a series of antioxidant phenols. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 3207-11	3.4	194
283	Antioxidant activity of L-adrenaline: a structure-activity insight. <i>Chemico-Biological Interactions</i> , 2009 , 179, 71-80	5	191
282	Carbonic anhydrase inhibitors. Inhibition of mammalian isoforms I-XIV with a series of natural product polyphenols and phenolic acids. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 2159-2164	3.4	190
281	LCMS/MS analysis, antioxidant and anticholinergic properties of galanga (<i>Alpinia officinarum</i> Hance) rhizomes. <i>Industrial Crops and Products</i> , 2015 , 74, 712-721	5.9	176
280	Synthesis and carbonic anhydrase isoenzymes I, II, IX, and XII inhibitory effects of dimethoxybromophenol derivatives incorporating cyclopropane moieties. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 640-50	8.3	164
279	In vitro inhibition of carbonic anhydrase isozymes by some phenolic compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 4259-62	2.9	158

278	Antioxidant and acetylcholinesterase inhibition properties of novel bromophenol derivatives. <i>Bioorganic Chemistry</i> , 2015 , 60, 49-57	5.1	156
277	Antioxidant and anticholinergic properties of olivetol. <i>Journal of Food Biochemistry</i> , 2018 , 42, e12516	3.3	156
276	In Vitro inhibition of human carbonic anhydrase I and II isozymes with natural phenolic compounds. <i>Chemical Biology and Drug Design</i> , 2011 , 77, 494-9	2.9	154
275	Antioxidant activity and polyphenol content of cherry stem (<i>Cerasus avium</i> L.) determined by LCMS/MS. <i>Food Research International</i> , 2013 , 51, 66-74	7	151
274	Antioxidant and analgesic activities of turpentine of <i>Pinus nigra</i> Arn. subsp. <i>pallsiana</i> (Lamb.) Holmboe. <i>Journal of Ethnopharmacology</i> , 2003 , 86, 51-8	5	151
273	Carbonic anhydrase inhibitors. Antioxidant polyphenols effectively inhibit mammalian isoforms I-XV. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 5050-3	2.9	135
272	Rosmarinic acid inhibits some metabolic enzymes including glutathione S-transferase, lactoperoxidase, acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase isoenzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1698-702	5.6	134
271	Diarylmethanon, bromophenol and diarylmethane compounds: Discovery of potent aldose reductase, α -amylase and α -glucosidase inhibitors as new therapeutic approach in diabetes and functional hyperglycemia. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 857-863	7.9	133
270	Antidiabetic and antiparasitic potentials: Inhibition effects of some natural antioxidant compounds on α -glucosidase, α -amylase and human glutathione S-transferase enzymes. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 741-746	7.9	132
269	N-Acylsulfonamides strongly inhibit human carbonic anhydrase isoenzymes I and II. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 2598-605	3.4	128
268	Caffeic acid phenethyl ester (CAPE): correlation of structure and antioxidant properties. <i>International Journal of Food Sciences and Nutrition</i> , 2011 , 62, 821-5	3.7	127
267	Synthesis, antioxidant, and antiacetylcholinesterase activities of sulfonamide derivatives of dopamine-related compounds. <i>Archiv Der Pharmazie</i> , 2013 , 346, 783-92	4.3	122
266	Discovery of potent carbonic anhydrase and acetylcholine esterase inhibitors: novel sulfamoylcarbamates and sulfamides derived from acetophenones. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 3592-602	3.4	119
265	Capsaicin: a potent inhibitor of carbonic anhydrase isoenzymes. <i>Molecules</i> , 2014 , 19, 10103-14	4.8	116
264	Rosmarinic acid: a potent carbonic anhydrase isoenzymes inhibitor. <i>Turkish Journal of Chemistry</i> , 2014 , 38, 894-902	1	115
263	Antioxidant activity of lignans from fringe tree (<i>Chionanthus virginicus</i> L.). <i>European Food Research and Technology</i> , 2006 , 223, 759-767	3.4	114
262	Synthesis and carbonic anhydrase inhibitory properties of sulfamides structurally related to dopamine. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 2925-31	3.4	112
261	Morphine inhibits erythrocyte carbonic anhydrase in vitro and in vivo. <i>Biological and Pharmaceutical Bulletin</i> , 2007 , 30, 2257-61	2.3	112

260	The first synthesis of 4-phenylbutenone derivative bromophenols including natural products and their inhibition profiles for carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase enzymes. <i>Bioorganic Chemistry</i> , 2017 , 72, 359-366	5.1	109
259	Antioxidant Activity, Acetylcholinesterase, and Carbonic Anhydrase Inhibitory Properties of Novel Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , 2016 , 349, 944-954	4.3	108
258	Synthesis, biological evaluation and molecular docking of novel pyrazole derivatives as potent carbonic anhydrase and acetylcholinesterase inhibitors. <i>Bioorganic Chemistry</i> , 2019 , 86, 420-427	5.1	105
257	Carbonic anhydrase and acetylcholinesterase inhibitory effects of carbamates and sulfamoylcarbamates. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015 , 30, 316-20	5.6	105
256	Novel sulfamides as potential carbonic anhydrase isoenzymes inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 1379-85	3.4	105
255	Novel antioxidant bromophenols with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions. <i>Bioorganic Chemistry</i> , 2017 , 74, 104-114	5.1	103
254	Acetylcholinesterase and carbonic anhydrase inhibitory properties of novel urea and sulfamide derivatives incorporating dopaminergic 2-aminotetralin scaffolds. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 2318-29	3.4	103
253	The effect of caffeic acid phenethyl ester (CAPE) on metabolic enzymes including acetylcholinesterase, butyrylcholinesterase, glutathione S-transferase, lactoperoxidase, and carbonic anhydrase isoenzymes I, II, IX, and XII. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1095-101	5.6	101
252	Synthesis of diaryl ethers with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 79-85	5.6	101
251	Synthesis and bioactivity studies on new 4-(3-(4-Substitutedphenyl)-3a,4-dihydro-3H-indeno[1,2-c]pyrazol-2-yl) benzenesulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1619-24	5.6	100
250	Carbonic anhydrase inhibitory properties of novel benzylsulfamides using molecular modeling and experimental studies. <i>Bioorganic Chemistry</i> , 2014 , 56, 75-82	5.1	99
249	Novel sulphamides and sulphonamides incorporating the tetralin scaffold as carbonic anhydrase and acetylcholine esterase inhibitors. <i>Archiv Der Pharmazie</i> , 2014 , 347, 68-76	4.3	99
248	Inhibitory effects of isatin Mannich bases on carbonic anhydrases, acetylcholinesterase, and butyrylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1498-501	5.6	98
247	In vitro and in vivo effects of dantrolene on carbonic anhydrase enzyme activities. <i>Biological and Pharmaceutical Bulletin</i> , 2004 , 27, 613-6	2.3	98
246	Synthesis and biological evaluation of novel tris-chalcones as potent carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase and α -glucosidase inhibitors. <i>Bioorganic Chemistry</i> , 2019 , 85, 191-197	5.1	98
245	Effects of melatonin on carbonic anhydrase from human erythrocytes in vitro and from rat erythrocytes in vivo. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2004 , 19, 193-7	5.6	97
244	2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, α -glucosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. <i>Journal of Molecular Structure</i> , 2018 , 1155, 797-806	3.4	97
243	The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α -glucosidase enzymes: An antidiabetic, anticholinergic, and antiepileptic study. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, e21995	3.4	96

242	Antioxidant secoiridoids from fringe tree (<i>Chionanthus virginicus</i> L.). <i>Wood Science and Technology</i> , 2009 , 43, 195-212	2.5	96
241	Purification and characterization of the carbonic anhydrase enzyme from Black Sea trout (<i>Salmo trutta Labrax Coruhensis</i>) kidney and inhibition effects of some metal ions on enzyme activity. <i>Environmental Toxicology and Pharmacology</i> , 2016 , 44, 134-9	5.8	96
240	Novel thymol bearing oxypropanolamine derivatives as potent some metabolic enzyme inhibitors - Their antidiabetic, anticholinergic and antibacterial potentials. <i>Bioorganic Chemistry</i> , 2018 , 81, 119-126	5.1	95
239	(3,4-Dihydroxyphenyl)(2,3,4-trihydroxyphenyl)methanone and its derivatives as carbonic anhydrase isoenzymes inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013 , 28, 402-6	5.6	95
238	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. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1-9	5.6	92
237	Oxidation of cyanobenzocycloheptatrienes: Synthesis, photooxygenation reaction and carbonic anhydrase isoenzymes inhibition properties of some new benzotropone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 3537-43	3.4	92
236	Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties. <i>Bioorganic Chemistry</i> , 2019 , 91, 103134	5.1	91
235	Sildenafil is a strong activator of mammalian carbonic anhydrase isoforms I-XIV. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 5791-5	3.4	91
234	Measurement of antioxidant ability of melatonin and serotonin by the DMPD and CUPRAC methods as trolox equivalent. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008 , 23, 871-6	5.6	91
233	Antioxidant activity and polyphenol content of Turkish thyme (<i>Thymus vulgaris</i>) monitored by liquid chromatography and tandem mass spectrometry. <i>International Journal of Food Properties</i> , 2017 , 20, 514-525	3	89
232	The first synthesis, carbonic anhydrase inhibition and anticholinergic activities of some bromophenol derivatives with S including natural products. <i>Bioorganic Chemistry</i> , 2019 , 85, 128-139	5.1	89
231	Synephrine and phenylephrine act as α -amylase, α -glycosidase, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase enzymes inhibitors. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, e21973	3.4	88
230	Synthesis of chalcone-imide derivatives and investigation of their anticancer and antimicrobial activities, carbonic anhydrase and acetylcholinesterase enzymes inhibition profiles. <i>Archives of Physiology and Biochemistry</i> , 2018 , 124, 61-68	2.2	88
229	The effects of hesperidin on sodium arsenite-induced different organ toxicity in rats on metabolic enzymes as antidiabetic and anticholinergics potentials: A biochemical approach. <i>Journal of Food Biochemistry</i> , 2019 , 43, e12720	3.3	87
228	Synthesis, molecular modeling, and biological evaluation of 4-[5-aryl-3-(thiophen-2-yl)-4,5-dihydro-1H-pyrazol-1-yl] benzenesulfonamides toward acetylcholinesterase, carbonic anhydrase I and II enzymes. <i>Chemical Biology and Drug Design</i> , 2018 , 91, 854-866	2.9	87
227	Synthesis and antioxidant properties of diphenylmethane derivative bromophenols including a natural product. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010 , 25, 685-95	5.6	86
226	Synthesis, characterization, crystal structure, electrochemical studies and biological evaluation of metal complexes with thiosemicarbazone of glyoxylic acid. <i>Polyhedron</i> , 2018 , 155, 25-33	2.7	85
225	Synthesis, characterization, crystal structure of novel bis-thiomethylcyclohexanone derivatives and their inhibitory properties against some metabolic enzymes. <i>Bioorganic Chemistry</i> , 2019 , 82, 393-404	5.1	85

224	Phytochemical content, antioxidant activity, and enzyme inhibition effect of <i>Salvia eriophora</i> Boiss. & Kotschy against acetylcholinesterase, α -amylase, butyrylcholinesterase, and β -glycosidase enzymes. <i>Journal of Food Biochemistry</i> , 2019 , 43, e12776	3.3	84
223	The human carbonic anhydrase isoenzymes I and II (hCA I and II) inhibition effects of trimethoxyindane derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 152-7	5.6	83
222	The antioxidant activity of a triterpenoid glycoside isolated from the berries of <i>Hedera colchica</i> : 3-O-(beta-D-glucopyranosyl)-hederagenin. <i>Phytotherapy Research</i> , 2006 , 20, 130-4	6.7	83
221	Investigation of inhibitory properties of some hydrazone compounds on hCA I, hCA II and AChE enzymes. <i>Bioorganic Chemistry</i> , 2019 , 86, 316-321	5.1	80
220	The synthesis of some β -lactams and investigation of their metal-chelating activity, carbonic anhydrase and acetylcholinesterase inhibition profiles. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 79-88	5.6	80
219	Novel eugenol derivatives: Potent acetylcholinesterase and carbonic anhydrase inhibitors. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 845-851	7.9	78
218	Synthesis of some tetrahydropyrimidine-5-carboxylates, determination of their metal chelating effects and inhibition profiles against acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1531-9	5.6	78
217	Synthesis, carbonic anhydrase I and II inhibition studies of the 1,3,5-trisubstituted-pyrazolines. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017 , 32, 189-192	5.6	77
216	Acetylcholinesterase and carbonic anhydrase isoenzymes I and II inhibition profiles of taxifolin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 441-7	5.6	76
215	Synthesis, characterization, inhibition effects, and molecular docking studies as acetylcholinesterase, β -glycosidase, and carbonic anhydrase inhibitors of novel benzenesulfonamides incorporating 1,3,5-triazine structural motifs. <i>Bioorganic Chemistry</i> , 2020 , 100, 103897	5.1	76
214	Sulfonamide inhibitors: a patent review 2013-present. <i>Expert Opinion on Therapeutic Patents</i> , 2018 , 28, 541-549	6.8	76
213	Antidiabetic potential: In vitro inhibition effects of bromophenol and diarylmethanones derivatives on metabolic enzymes. <i>Archiv Der Pharmazie</i> , 2018 , 351, e1800263	4.3	76
212	Synthesis and carbonic anhydrase inhibitory effects of novel sulfamides derived from 1-aminoindanes and anilines. <i>Archiv Der Pharmazie</i> , 2014 , 347, 950-7	4.3	75
211	The antidiabetic and anticholinergic effects of chrysin on cyclophosphamide-induced multiple organ toxicity in rats: Pharmacological evaluation of some metabolic enzyme activities. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019 , 33, e22313	3.4	74
210	Antidiabetic potential: in vitro inhibition effects of some natural phenolic compounds on β -glycosidase and α -amylase enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, e21956	3.4	74
209	The impact of hydroquinone on acetylcholine esterase and certain human carbonic anhydrase isoenzymes (hCA I, II, IX, and XII). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015 , 30, 941-6	5.6	74
208	Synthesis and bioactivities of pyrazoline benzenesulfonamides as carbonic anhydrase and acetylcholinesterase inhibitors with low cytotoxicity. <i>Bioorganic Chemistry</i> , 2019 , 84, 511-517	5.1	73
207	Synthesis and biological evaluation of bromophenol derivatives with cyclopropyl moiety: Ring opening of cyclopropane with monoester. <i>Bioorganic Chemistry</i> , 2019 , 89, 103017	5.1	70

206	Synthesis and antioxidant properties of (3,4-dihydroxyphenyl)(2,3,4-trihydroxyphenyl)methanone and its derivatives. <i>Archiv Der Pharmazie</i> , 2012 , 345, 323-34	4.3	70
205	Antioxidant activity of two wild edible mushrooms (<i>Morchella vulgaris</i> and <i>Morchella esculanta</i>) from North Turkey. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2006 , 9, 443-8	1.3	70
204	The effects of some bromophenols on human carbonic anhydrase isoenzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 603-7	5.6	69
203	Synthesis and biological evaluation of phloroglucinol derivatives possessing α -glycosidase, acetylcholinesterase, butyrylcholinesterase, carbonic anhydrase inhibitory activity. <i>Archiv Der Pharmazie</i> , 2018 , 351, 1700314	4.3	69
202	Novel NHC Precursors: Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties. <i>Archiv Der Pharmazie</i> , 2017 , 350, e201700045	4.3	68
201	Anticholinergic and antioxidant activities of usnic acid-an activity-structure insight. <i>Toxicology Reports</i> , 2019 , 6, 1273-1280	4.8	68
200	Synthesis, characterization, anticancer, antimicrobial and carbonic anhydrase inhibition profiles of novel (3aR,4S,7R,7aS)-2-(4-((E)-3-(3-aryl)acryloyl)phenyl)-3a,4,7,7a-tetrahydro-1H-4,7-methanoisindole-1,3(2H)-dione derivatives. <i>Bioorganic Chemistry</i> , 2017 , 70, 118-125	5.1	67
199	Synthesis and biological evaluation of aminomethyl and alkoxyethyl derivatives as carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017 , 32, 1174-1182	5.6	67
198	Novel eugenol bearing oxypropanolamines: Synthesis, characterization, antibacterial, antidiabetic, and anticholinergic potentials. <i>Bioorganic Chemistry</i> , 2019 , 88, 102931	5.1	66
197	Synthesis and characterization of novel bromophenols: Determination of their anticholinergic, antidiabetic and antioxidant activities. <i>Bioorganic Chemistry</i> , 2019 , 87, 91-102	5.1	64
196	Synthesis and discovery of potent carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α -glycosidase enzymes inhibitors: The novel N,NSbis-cyanomethylamine and alkoxyethylamine derivatives. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22042	3.4	64
195	Phenolic Compounds as Antioxidants: Carbonic Anhydrase Isoenzymes Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013 , 13, 408-430	3.2	63
194	Phenolic compounds inhibit the aldose reductase enzyme from the sheep kidney. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, e21936	3.4	62
193	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. <i>Journal of Molecular Structure</i> , 2018 , 1170, 160-169	3.4	62
192	Oxidative stress and mRNA expression of acetylcholinesterase in the leukocytes of ischemic patients. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 87, 561-567	7.5	61
191	Novel Benzylic Substituted Imidazolium, Tetrahydropyrimidinium and Tetrahydrodiazepinium Salts: Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors. <i>ChemistrySelect</i> , 2018 , 3, 7976-7982	1.8	61
190	Mono- or di-substituted imidazole derivatives for inhibition of acetylcholine and butyrylcholine esterases. <i>Bioorganic Chemistry</i> , 2019 , 86, 187-196	5.1	60
189	Chrysin Protects Rat Kidney from Paracetamol-Induced Oxidative Stress, Inflammation, Apoptosis, and Autophagy: A Multi-Biomarker Approach. <i>Scientia Pharmaceutica</i> , 2017 , 85,	4.3	60

188	Synthesis and bioactivity of several new hetaryl sulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017 , 32, 137-145	5.6	59
187	Discovery of Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors: 2-Aminoindan Lactam Derivatives. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	58
186	Novel morpholine liganded Pd-based N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, antidiabetic and anticholinergic properties. <i>Polyhedron</i> , 2019 , 159, 345-354	2.7	58
185	Sage (<i>Salvia pilifera</i>): determination of its polyphenol contents, anticholinergic, antidiabetic and antioxidant activities. <i>Journal of Food Measurement and Characterization</i> , 2019 , 13, 2062-2074	2.8	57
184	The Protective Effects of p-Coumaric Acid on Acute Liver and Kidney Damages Induced by Cisplatin. <i>Biomedicines</i> , 2017 , 5,	4.8	57
183	Synthesis of some novel pyridine compounds containing bis-1,2,4-triazole/thiosemicarbazide moiety and investigation of their antioxidant properties, carbonic anhydrase, and acetylcholinesterase enzymes inhibition profiles. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019 , 32, 222-231	3.4	56
182	Purification and Characterization of Polyphenol Oxidase from Hemîh Apple (<i>Malus communis</i> L.). <i>International Journal of Food Properties</i> , 2015 , 18, 2735-2745	3	55
181	Synthesis of 4-(2-substituted hydrazinyl)benzenesulfonamides and their carbonic anhydrase inhibitory effects. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 568-73	5.6	55
180	Synthesis, characterization, crystal structures, theoretical calculations and biological evaluations of novel substituted tacrine derivatives as cholinesterase and carbonic anhydrase enzymes inhibitors. <i>Journal of Molecular Structure</i> , 2019 , 1175, 906-915	3.4	55
179	The synthesis of novel sulfamides derived from benzylphenethylamines as acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase enzymes inhibitors. <i>Bioorganic Chemistry</i> , 2017 , 74, 238-250 ⁵¹	5.1	55
178	Acetylcholinesterase inhibitory and antioxidant activities of novel symmetric sulfamides derived from phenethylamines. <i>Archiv Der Pharmazie</i> , 2015 , 348, 446-55	4.3	54
177	The green synthesis and molecular docking of novel N-substituted rhodanines as effective inhibitors for carbonic anhydrase and acetylcholinesterase enzymes. <i>Bioorganic Chemistry</i> , 2019 , 90, 1030-1036 ⁵¹	5.1	54
176	ICP-MS and HPLC analyses, enzyme inhibition and antioxidant potential of <i>Achillea schischkinii</i> Sosn. <i>Bioorganic Chemistry</i> , 2020 , 94, 103333	5.1	53
175	Novel N-propylphthalimide- and 4-vinylbenzyl-substituted benzimidazole salts: Synthesis, characterization, and determination of their metal chelating effects and inhibition profiles against acetylcholinesterase and carbonic anhydrase enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019 , 32, 232-241	3.4	52
174	Synthesis of new cyclic thioureas and evaluation of their metal-chelating activity, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase inhibition profiles. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, N/A	3.4	51
173	New azafluorenones with cytotoxic and carbonic anhydrase inhibitory properties: 2-Aryl-4-(4-hydroxyphenyl)-5H-indeno[1,2-b]pyridin-5-ones. <i>Bioorganic Chemistry</i> , 2018 , 81, 433-439	5.1	51
172	Synthesis, characterization, molecular docking and biological activities of novel pyrazoline derivatives. <i>Archiv Der Pharmazie</i> , 2019 , 352, e1800359	4.3	49
171	Synthesis and carbonic anhydrase isoenzymes I and II inhibitory effects of novel benzylamine derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014 , 29, 168-74	5.6	49

170	Apoptotic, antioxidant and antiradical effects of majdine and isomajdine from <i>Vinca herbacea</i> Waldst. and kit. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2012 , 27, 587-94	5.6	49
169	Novel tribenzylaminobenzolsulphonylimine based on their pyrazine and pyridazines: Synthesis, characterization, antidiabetic, anticancer, anticholinergic, and molecular docking studies. <i>Bioorganic Chemistry</i> , 2019 , 93, 103313	5.1	48
168	Anti-Alzheimer, antidiabetic and antioxidant potential of <i>Satureja cuneifolia</i> and analysis of its phenolic contents by LC-MS/MS. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 4528-4537	5.9	48
167	meta-Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, β -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. <i>Archiv Der Pharmazie</i> , 2018 , 351, e1800029	4.3	48
166	Antidiabetic properties of dietary phenolic compounds: Inhibition effects on β -amylase, aldose reductase, and β -glycosidase. <i>Biotechnology and Applied Biochemistry</i> , 2019 , 66, 781-786	2.8	47
165	Synthesis and investigation of the conversion reactions of pyrimidine-thiones with nucleophilic reagent and evaluation of their acetylcholinesterase, carbonic anhydrase inhibition, and antioxidant activities. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22019	3.4	47
164	Carbonic anhydrase inhibitory properties of phenolic sulfonamides derived from dopamine related compounds. <i>Arabian Journal of Chemistry</i> , 2017 , 10, 398-402	5.9	47
163	Assessment of Antimicrobial and Antioxidant Activities of <i>Nepeta trachonitica</i> : Analysis of Its Phenolic Compounds Using HPLC-MS/MS. <i>Scientia Pharmaceutica</i> , 2017 , 85,	4.3	46
162	The effects of some antibiotics from cephalosporin groups on the acetylcholinesterase and butyrylcholinesterase enzymes activities in different tissues of rats. <i>Archives of Physiology and Biochemistry</i> , 2019 , 125, 12-18	2.2	45
161	Some pyrazoles derivatives: Potent carbonic anhydrase, β -glycosidase, and cholinesterase enzymes inhibitors. <i>Archiv Der Pharmazie</i> , 2018 , 351, e1800200	4.3	43
160	Measurement of anticancer, antidiabetic and anticholinergic properties of sumac (<i>Rhus coriaria</i>): analysis of its phenolic compounds by LCMS/MS. <i>Journal of Food Measurement and Characterization</i> , 2019 , 13, 1607-1619	2.8	42
159	Discovery of sulfadrag-pyrrole conjugates as carbonic anhydrase and acetylcholinesterase inhibitors. <i>Archiv Der Pharmazie</i> , 2021 , e2100242	4.3	42
158	The effects of some avermectins on bovine carbonic anhydrase enzyme. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 773-8	5.6	41
157	Pyrazole[3,4-d]pyridazine derivatives: Molecular docking and explore of acetylcholinesterase and carbonic anhydrase enzymes inhibitors as anticholinergics potentials. <i>Bioorganic Chemistry</i> , 2019 , 92, 103213	5.1	41
156	Synthesis of 4-[2-(3,4-dimethoxybenzyl)cyclopentyl]-1,2-dimethoxybenzene Derivatives and Evaluations of Their Carbonic Anhydrase Isoenzymes Inhibitory Effects. <i>Chemical Biology and Drug Design</i> , 2016 , 87, 594-607	2.9	41
155	Evaluation of acetylcholinesterase and carbonic anhydrase inhibition profiles of 1,2,3,4,6-pentasubstituted-4-hydroxy-cyclohexanes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, e21938	3.4	40
154	Synthesis, crystal structure and biological evaluation of spectroscopic characterization of Ni(II) and Co(II) complexes with N-salicyloil-NSmaleoil-hydrazine as anticholinergic and antidiabetic agents. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22197	3.4	39
153	Synthesis, crystal structure, and biological evaluation of optically active 2-amino-4-aryl-7,7-dimethyl-5-oxo-5,6,7,8-tetrahydro-4H-chromen-3-carbonitriles: Antiepileptic, antidiabetic, and anticholinergics potentials. <i>Archiv Der Pharmazie</i> , 2019 , 352, e1800317	4.3	39

152	Synthesis, characterization, biological evaluation, and in silico studies of novel 1,3-diarylthiazene-substituted sulfathiazole derivatives. <i>Archiv Der Pharmazie</i> , 2020 , 353, e2000102	4.3	38
151	Inhibition Effects of Some Lignans on Carbonic Anhydrase, Acetylcholinesterase and Butyrylcholinesterase Enzymes Leyla Polat Köe and Iöhami Gölh. <i>Records of Natural Products</i> , 2017 , 558-561	1.9	37
150	The toxicological effects of some avermectins on goat liver carbonic anhydrase enzyme. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22010	3.4	37
149	Synthesis and Carbonic Anhydrase Inhibition of Novel 2-(4-(Aryl)thiazole-2-yl)-3a,4,7,7a-tetrahydro-1H-4,7-methanoisindole-1,3(2H)-dione Derivatives. <i>Archiv Der Pharmazie</i> , 2016 , 349, 955-963	4.3	36
148	Investigation of acetylcholinesterase and mammalian DNA topoisomerases, carbonic anhydrase inhibition profiles, and cytotoxic activity of novel bis(aminoalkyl)phosphinic acid derivatives against human breast cancer. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, e21971	3.4	36
147	Novel amides of 1,1-bis-(carboxymethylthio)-1-arylethanes: Synthesis, characterization, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase inhibitory properties. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22191	3.4	35
146	Synthesis and biological evaluation of some new mono Mannich bases with piperazines as possible anticancer agents and carbonic anhydrase inhibitors. <i>Bioorganic Chemistry</i> , 2019 , 90, 103095	5.1	35
145	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. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, e21972	3.4	35
144	Synthesis and Carbonic Anhydrase Inhibition of Tetrabromo Chalcone Derivatives. <i>Archiv Der Pharmazie</i> , 2017 , 350, 1700198	4.3	35
143	Discovery of potent carbonic anhydrase, acetylcholinesterase, and butyrylcholinesterase enzymes inhibitors: The new amides and thiazolidine-4-ones synthesized on an acetophenone base. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, e21931	3.4	34
142	New phenolic Mannich bases with piperazines and their bioactivities. <i>Bioorganic Chemistry</i> , 2019 , 90, 103057	5.1	34
141	Synthesis of Some Novel Norbornene-Fused Pyridazines as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase. <i>Journal of Heterocyclic Chemistry</i> , 2016 , 53, 2049-2056	1.9	34
140	Potent Acetylcholinesterase Inhibitors: Potential Drugs for Alzheimer's Disease. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020 , 20, 703-715	3.2	34
139	Synthesis and investigation of antibacterial activities and carbonic anhydrase and acetylcholinesterase inhibition profiles of novel 4,5-dihydropyrazol and pyrazolyl-thiazole derivatives containing methanoisindol-1,3-dion unit. <i>Synthetic Communications</i> , 2017 , 47, 2313-2323	1.7	33
138	Synthesis, carbonic anhydrase I and II isoenzymes inhibition properties, and antibacterial activities of novel tetralone-based 1,4-benzothiazepine derivatives. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, N/A	3.4	33
137	Inhibition profile of a series of phenolic acids on bovine lactoperoxidase enzyme. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015 , 30, 479-83	5.6	33
136	Cholinesterases, &uglycosidase, 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. <i>Bioorganic Chemistry</i> , 2020 , 97, 103647	5.1	33
135	The effects of zingerone against vancomycin-induced lung, liver, kidney and testis toxicity in rats: The behavior of some metabolic enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019 , 33, e22381	3.4	32

134	The biological activities, molecular docking studies, and anticancer effects of 1-arylsulphonylpyrazole derivatives. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3336-3346 ^{3.6}	3.6	32
133	Quercetin protects rat skeletal muscle from ischemia reperfusion injury. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 162-166	5.6	32
132	The behavior of some chalcones on acetylcholinesterase and carbonic anhydrase activity. <i>Drug and Chemical Toxicology</i> , 2019 , 42, 634-640	2.3	32
131	Synthesis and antioxidant activities of phenol derivatives from 1,6-bis(dimethoxyphenyl)hexane-1,6-dione. <i>Bioorganic Chemistry</i> , 2020 , 100, 103884	5.1	32
130	Novel propanolamine derivatives attached to 2-metoxifenol moiety: Synthesis, characterization, biological properties, and molecular docking studies. <i>Bioorganic Chemistry</i> , 2020 , 101, 103969	5.1	32
129	Determination of the inhibition profiles of pyrazolyl-thiazole derivatives against aldose reductase and α -glycosidase and molecular docking studies. <i>Archiv Der Pharmazie</i> , 2020 , 353, e2000118	4.3	32
128	A class of sulfonamides as carbonic anhydrase I and II inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 180-188	5.6	32
127	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. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019 , 33, e22340	3.4	31
126	Schiff bases and their amines: Synthesis and discovery of carbonic anhydrase and acetylcholinesterase enzymes inhibitors. <i>Archiv Der Pharmazie</i> , 2018 , 351, e1800146	4.3	30
125	Phytochemical Content, Antidiabetic, Anticholinergic, and Antioxidant Activities of Endemic <i>Lecokia cretica</i> Extracts. <i>Chemistry and Biodiversity</i> , 2019 , 16, e1900341	2.5	29
124	A comparative study on the antioxidant effects of hesperidin and ellagic acid against skeletal muscle ischemia/reperfusion injury. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 114-118 ^{5.6}	5.6	29
123	Benzenesulfonamide derivatives as potent acetylcholinesterase, α -glycosidase, and glutathione S-transferase inhibitors: biological evaluation and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 5449-5460	3.6	29
122	The effects of some cephalosporins on acetylcholinesterase and glutathione S-transferase: an in vivo and in vitro study. <i>Archives of Physiology and Biochemistry</i> , 2019 , 125, 235-243	2.2	29
121	The Influence of Some Nonsteroidal Anti-inflammatory Drugs on Metabolic Enzymes of Aldose Reductase, Sorbitol Dehydrogenase, and α -Glycosidase: a Perspective for Metabolic Disorders. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 190, 437-447	3.2	29
120	Synthesis and inhibitory properties of some carbamates on carbonic anhydrase and acetylcholine esterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1484-91	5.6	28
119	9,10-Dibromo-N-aryl-9,10-dihydro-9,10-[3,4]epipyrroloanthracene-12,14-diones: Synthesis and Investigation of Their Effects on Carbonic Anhydrase Isozymes I, II, IX, and XII. <i>Archiv Der Pharmazie</i> , 2016 , 349, 466-74	4.3	28
118	Novel sulfamate derivatives of menthol: Synthesis, characterization, and cholinesterases and carbonic anhydrase enzymes inhibition properties. <i>Archiv Der Pharmazie</i> , 2018 , 351, e1800209	4.3	28
117	A Novel Ag-N-Heterocyclic Carbene Complex Bearing the Hydroxyethyl Ligand: Synthesis, Characterization, Crystal and Spectral Structures and Bioactivity Properties. <i>Crystals</i> , 2020 , 10, 171	2.3	27

116	Synthesis, characterization, molecular docking, and biological activities of coumarin-1,2,3-triazole-acetamide hybrid derivatives. <i>Archiv Der Pharmazie</i> , 2020 , 353, e2000109	4.3	27
115	Novel functionally substituted esters based on sodium diethyldithiocarbamate derivatives: Synthesis, characterization, biological activity and molecular docking studies. <i>Bioorganic Chemistry</i> , 2020 , 99, 103762	5.1	27
114	Synthesis of novel amino carbonyl derivatives and their inhibition effects on some metabolic enzymes. <i>Journal of Molecular Structure</i> , 2020 , 1204, 127453	3.4	27
113	The in vivo effects of cefazolin, cefuroxime, and cefoperazon on the carbonic anhydrase in different rat tissues. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22041	3.4	26
112	Inhibitory effects of some phenolic compounds on the activities of carbonic anhydrase: from in vivo to ex vivo. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1234-40	5.6	26
111	Purification and characterization of the carbonic anhydrase enzyme from horse mackerel (<i>Trachurus trachurus</i>) muscle and the impact of some metal ions and pesticides on enzyme activity. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019 , 226, 108605	3.2	25
110	Synthesis of novel organohalogen chalcone derivatives and screening of their molecular docking study and some enzymes inhibition effects. <i>Journal of Molecular Structure</i> , 2020 , 1208, 127868	3.4	25
109	Novel amine-functionalized benzimidazolium salts: Synthesis, characterization, bioactivity, and molecular docking studies. <i>Journal of Molecular Structure</i> , 2020 , 1207, 127802	3.4	25
108	Intermolecular amination of allylic and benzylic alcohols leads to effective inhibitions of acetylcholinesterase enzyme and carbonic anhydrase I and II isoenzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22173	3.4	25
107	Spirobisnaphthalenes effectively inhibit carbonic anhydrase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 503-7	5.6	24
106	Secondary Sulfonamides as Effective Lactoperoxidase Inhibitors. <i>Molecules</i> , 2017 , 22,	4.8	24
105	Aminopyrazole-substituted metallophthalocyanines: Preparation, aggregation behavior, and investigation of metabolic enzymes inhibition properties. <i>Archiv Der Pharmazie</i> , 2019 , 352, e1800292	4.3	24
104	Synthesis, spectroscopic properties, crystal structures, antioxidant activities and enzyme inhibition determination of Co(II) and Fe(II) complexes of Schiff base. <i>Research on Chemical Intermediates</i> , 2020 , 46, 283-297	2.8	24
103	Design, synthesis, in vitro and in vivo evaluation of novel pyrrolizine-based compounds with potential activity as cholinesterase inhibitors and anti-Alzheimer's agents. <i>Bioorganic Chemistry</i> , 2019 , 93, 103312	5.1	23
102	The toxicological impact of some avermectins on human erythrocytes glutathione S-transferase enzyme. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22205	3.4	23
101	Synthesis, Characterization, and Inhibition Study of Novel Substituted Phenylureido Sulphaguanidine Derivatives as Glycosidase and Cholinesterase Inhibitors. <i>Chemistry and Biodiversity</i> , 2021 , 18, e2000958 ^{2.5}		23
100	Synthesis, characterization, antioxidant, antidiabetic, anticholinergic, and antiepileptic properties of novel N-substituted tetrahydropyrimidines based on phenylthiourea. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22221	3.4	23
99	Glucose 6-phosphate dehydrogenase: in vitro and in vivo effects of dantrolene sodium. <i>Polish Journal of Pharmacology</i> , 2003 , 55, 787-92		23

98	Inhibition effects of some pesticides and heavy metals on carbonic anhydrase enzyme activity purified from horse mackerel (<i>Trachurus trachurus</i>) gill tissues. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 10607-10616	5.1	22
97	Inhibition properties of some flavonoids on carbonic anhydrase I and II isoenzymes purified from human erythrocytes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, e21930	3.4	21
96	Synthesis, characterization, biological evaluation, and molecular docking studies of some piperonyl-based 4-thiazolidinone derivatives. <i>Archiv Der Pharmazie</i> , 2020 , 353, e1900304	4.3	20
95	Synthesis of water soluble tetra-substituted phthalocyanines: Investigation of DNA cleavage, cytotoxic effects and metabolic enzymes inhibition. <i>Journal of Molecular Structure</i> , 2020 , 1214, 128210	3.4	20
94	Design, synthesis, characterization, enzymatic inhibition evaluations, and docking study of novel quinazolinone derivatives. <i>International Journal of Biological Macromolecules</i> , 2021 , 170, 1-12	7.9	20
93	Synthesis of 3-chloro-1-substituted aryl pyrrolidine-2,5-dione derivatives: discovery of potent human carbonic anhydrase inhibitors. <i>Medicinal Chemistry Research</i> , 2017 , 26, 1619-1627	2.2	19
92	Synthesis of novel sulfamides incorporating phenethylamines and determination of their inhibition profiles against some metabolic enzymes. <i>Archiv Der Pharmazie</i> , 2018 , 351, e1800150	4.3	19
91	Novel sulphonamides incorporating triazene moieties show powerful carbonic anhydrase I and II inhibitory properties. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 325-329	5.6	18
90	Investigation of the effects of cephalosporin antibiotics on glutathione S-transferase activity in different tissues of rats conditions in order to drug development research. <i>Drug and Chemical Toxicology</i> , 2020 , 43, 423-428	2.3	18
89	Spectroscopic and Structural Characterization, Enzyme Inhibitions, and Antioxidant Effects of New Ru(II) and Ni(II) Complexes of Schiff Base. <i>Chemistry and Biodiversity</i> , 2019 , 16, e1900243	2.5	16
88	Purification and characterization of glutathione S-transferase from blueberry fruits (L.) and investigated of some pesticide inhibition effects on enzyme activity. <i>Heliyon</i> , 2019 , 5, e01422	3.6	16
87	Investigation of the effects of some sulfonamides on acetylcholinesterase and carbonic anhydrase enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019 , 33, e22300	3.4	16
86	Purification and characterization of dihydropyrimidine dehydrogenase enzyme from sheep liver and determination of the effects of some anaesthetic and antidepressant drugs on the enzyme activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016 , 31, 1335-41	5.6	16
85	Synthesis, characterization and bioactivities of dative donor ligand N-heterocyclic carbene (NHC) precursors and their Ag(I)NHC coordination compounds. <i>Polyhedron</i> , 2021 , 193, 114866	2.7	16
84	Purification of glutathione S-transferase enzyme from quail liver tissue and inhibition effects of (3aR,4S,7R,7aS)-2-(4-((E)-3-(aryl)acryloyl)phenyl)-3a,4,7,7a-tetrahydro-1H-4,7-methanoisindole-1,3(2H)-dione derivatives on the enzyme activity. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22034		15
83	Inhibitory effects of some drugs on carbonic anhydrase enzyme purified from Kangal Akkaraman sheep in Sivas, Turkey. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22000	3.4	15
82	Probing 4-(diethylamino)-salicylaldehyde-based thiosemicarbazones as multi-target directed ligands against cholinesterases, carbonic anhydrases and glycosidase enzymes. <i>Bioorganic Chemistry</i> , 2021 , 107, 104554	5.1	15
81	Synthesis and characterization of novel substituted thiophene derivatives and discovery of their carbonic anhydrase and acetylcholinesterase inhibition effects. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019 , 33, e22261	3.4	15

80	Synthesis, characterization, photo-physicochemical and biological properties of water-soluble tetra-substituted phthalocyanines: Antidiabetic, anticancer and anticholinergic potentials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 396, 112511	4.7	14
79	Novel inhibitors with sulfamethazine backbone: synthesis and biological study of multi-target cholinesterases and β -glucosidase inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-13	3.6	14
78	Determination of anticancer properties and inhibitory effects of some metabolic enzymes including acetylcholinesterase, butyrylcholinesterase, alpha-glycosidase of some compounds with molecular docking study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3693-3702	3.6	14
77	Caffeic acid phenethyl ester (CAPE): a potent carbonic anhydrase isoenzymes inhibitor. <i>International Journal of Academic Research</i> , 2013 , 5, 150-155		13
76	Metal Ions, Metal Chelators and Metal Chelating Assay as Antioxidant Method. <i>Processes</i> , 2022 , 10, 132	2.9	13
75	Cytotoxic effects, carbonic anhydrase isoenzymes, β -glucosidase and acetylcholinesterase inhibitory properties, and molecular docking studies of heteroatom-containing sulfonyl hydrazone derivatives. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 5539-5550	3.6	13
74	Investigation of the toxicological and inhibitory effects of some benzimidazole agents on acetylcholinesterase and butyrylcholinesterase enzymes. <i>Archives of Physiology and Biochemistry</i> , 2021 , 127, 97-101	2.2	13
73	Biochemical constituent, enzyme inhibitory activity, and molecular docking analysis of an endemic plant species, <i>Thymus migricus</i> . <i>Chemical Papers</i> , 2021 , 75, 1133-1146	1.9	13
72	The effects of wireless electromagnetic fields on the activities of carbonic anhydrase and acetylcholinesterase enzymes in various tissues of rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22031	3.4	12
71	Synthesis and inhibition profiles of N-benzyl- and N-allyl aniline derivatives against carbonic anhydrase and acetylcholinesterase [A molecular docking study. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103645	5.9	12
70	Synthesis, characterization, powder X-ray diffraction analysis, thermal stability, antioxidant properties and enzyme inhibitions of M(II)-Schiff base ligand complexes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 6480-6487	3.6	12
69	A study on the effects of inhibition mechanism of curcumin, quercetin, and resveratrol on human glutathione reductase through and approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 1744-1753	3.6	12
68	In vitro effects of standard antioxidants on lactoperoxidase enzyme-A molecular docking approach. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020 , 34, e22421	3.4	11
67	Design, synthesis, characterization, biological evaluation, and molecular docking studies of novel 1,2-aminopropanthiols substituted derivatives as selective carbonic anhydrase, acetylcholinesterase and β -glucosidase enzymes inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-13	3.6	11
66	Synthesis, biological activity and docking calculations of bis-naphthoquinone derivatives from Lawsone. <i>Bioorganic Chemistry</i> , 2021 , 114, 105069	5.1	11
65	Novel benzo[b]xanthene derivatives: Bismuth(III) triflate-catalyzed one-pot synthesis, characterization, and acetylcholinesterase, glutathione S-transferase, and butyrylcholinesterase inhibitory properties. <i>Archiv Der Pharmazie</i> , 2020 , 353, e2000030	4.3	10
64	Characterization and inhibition effects of some metal ions on carbonic anhydrase enzyme from Kangal Akkaraman sheep. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018 , 32, e22172	3.4	9
63	Synthesis of β -amino acid derivatives and their inhibitory profiles against some metabolic enzymes. <i>Archiv Der Pharmazie</i> , 2019 , 352, e1900200	4.3	9

62	Influence of some β -lactam drugs on selected antioxidant enzyme and lipid peroxidation levels in different rat tissues. <i>Drug and Chemical Toxicology</i> , 2020 , 43, 27-36	2.3	9
61	Enzyme inhibitory function and phytochemical profile of <i>Inula discoidea</i> using in vitro and in silico methods. <i>Biophysical Chemistry</i> , 2021 , 277, 106629	3.5	9
60	N-Substituted pyrimidinethione and acetophenone derivatives as a new therapeutic approach in diabetes. <i>Archiv Der Pharmazie</i> , 2020 , 353, e2000075	4.3	8
59	Evaluation of the Antioxidant and Antiradical Properties of Some Phyto and Mammalian Lignans. <i>Molecules</i> , 2021 , 26,	4.8	8
58	PEPPSI type Pd(II)NHC complexes bearing chloro-/fluorobenzyl group: Synthesis, characterization, crystal structures, α -glycosidase and acetylcholinesterase inhibitory properties. <i>Polyhedron</i> , 2021 , 198, 115060	2.7	8
57	Synthesis and in silico studies of Novel Ru(II) complexes of Schiff base derivatives of 3-[(4-amino-5-thioxo-1,2,4-triazole-3-yl)methyl]-2(3H)-benzoxazolone compounds as potent Glutathione S-transferase and Cholinesterases Inhibitor. <i>Journal of Molecular Structure</i> , 2021 , 1231, 129943	3.4	8
56	Novel potential metabolic enzymes inhibitor, photosensitizer and antibacterial agents based on water-soluble phthalocyanine bearing imidazole derivative. <i>Journal of Molecular Structure</i> , 2021 , 1237, 130402	3.4	8
55	Glutathione S-Transferase: Purification and Characterization of from Cherry Laurel (<i>Prunus laurocerasus</i> L.) and the Investigation In Vitro Effects of Some Metal Ions and Organic Compounds on Enzyme Activity. <i>BioNanoScience</i> , 2019 , 9, 683-691	3.4	7
54	Inhibition effects of isoproterenol, chlorpromazine, carbamazepine, tamoxifen drugs on glutathione S-transferase, cholinesterases enzymes and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3277-3284	3.6	7
53	Lactoperoxidase inhibition of some natural phenolic compounds: Kinetics and molecular docking studies. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13132	3.3	7
52	Transition metal complexes of a multidentate Schiff base ligand containing pyridine: synthesis, characterization, enzyme inhibitions, antioxidant properties, and molecular docking studies. <i>BioMetals</i> , 2021 , 34, 393-406	3.4	7
51	Design, synthesis, molecular docking, and some metabolic enzyme inhibition properties of novel quinazolinone derivatives. <i>Archiv Der Pharmazie</i> , 2021 , 354, e2000455	4.3	7
50	Glutathyon S-Transferaz Enzim Aktivitesi Üzerine Amoksilin ve Vankomisin Hidroklorid Hidratın Etkisi: Bir in vitro çalışması. <i>Journal of the Institute of Science and Technology</i> , 141-148	0	6
49	Synthesis, characterization, biological activity and molecular docking studies of novel schiff bases derived from thiosemicarbazide: Biochemical and computational approach. <i>Journal of Molecular Structure</i> , 2021 , 1231, 129666	3.4	6
48	Purification and selected biochemical properties of peroxidase from cress (<i>Lepidium sativum</i> sub sp. <i>sativum</i>). <i>International Journal of Food Properties</i> , 2018 , 21, 2610-2621	3	6
47	Novel hypervalent iodine catalyzed synthesis of β -sulfonyl ketones: Biological activity and molecular docking studies. <i>Journal of Molecular Structure</i> , 2021 , 1239, 130492	3.4	6
46	Investigation of spectroscopic, thermal, and biological properties of FeII, CoII, ZnII, and RuII complexes derived from azo dye ligand. <i>Journal of Molecular Structure</i> , 2021 , 1244, 130989	3.4	6
45	In vivo biochemical evaluations of some β -lactam group antibiotics on glutathione reductase and glutathione S-transferase enzyme activities. <i>Life Sciences</i> , 2019 , 231, 116572	6.8	5

44	Screening of non-alkaloid acetylcholinesterase and carbonic anhydrase isoenzymes inhibitors of <i>Leiotulus dasyanthus</i> (K. Koch) Pimenov & Ostr. (Apiaceae). <i>Journal of Essential Oil Research</i> , 2020 , 32, 227-241	2.3	5
43	Selenourea and thiourea derivatives of chiral and achiral enetetramines: Synthesis, characterization and enzyme inhibitory properties.. <i>Bioorganic Chemistry</i> , 2021 , 120, 105566	5.1	5
42	Toxicological effects of some antiparasitic drugs on equine liver glutathione S-Transferase enzyme activity. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 180, 113048	3.5	5
41	Synthesis, characterization and biological evaluation of N-substituted triazinane-2-thiones and theoretical experimental mechanism of condensation reaction. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5329	3.1	5
40	Phthalocyanine complexes with (4-isopropylbenzyl)oxy substituents: preparation and evaluation of anti-carbonic anhydrase, anticholinesterase enzymes and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-9	3.6	5
39	Co and Zn Metal Phthalocyanines with Bulky Substituents: Anticancer, Antibacterial Activities and Their Inhibitory Effects on Some Metabolic Enzymes with Molecular Docking Studies. <i>Polycyclic Aromatic Compounds</i> , 1-13	1.3	5
38	Synthesis, design, and assessment of novel morpholine-derived Mannich bases as multifunctional agents for the potential enzyme inhibitory properties including docking study. <i>Bioorganic Chemistry</i> , 2021 , 107, 104524	5.1	5
37	Determination of Phenolic Content, Biological Activity, and Enzyme Inhibitory Properties with Molecular Docking Studies of <i>Rumex nepalensis</i> , an Endemic Medicinal Plant. <i>Journal of Food and Nutrition Research (Newark, Del)</i> , 2021 , 9, 114-123	1.9	5
36	Cholinesterases, carbonic anhydrase inhibitory properties and in silico studies of novel substituted benzylamines derived from dihydrochalcones. <i>Computational Biology and Chemistry</i> , 2021 , 94, 107565	3.6	5
35	2H-Indazolo[2,1-b]phthalazine-trione derivatives: Inhibition on some metabolic enzymes and molecular docking studies. <i>Journal of Heterocyclic Chemistry</i> , 2020 , 57, 3116-3125	1.9	5
34	Synthesis of novel bis-sulfone derivatives and their inhibition properties on some metabolic enzymes including carbonic anhydrase, acetylcholinesterase, and butyrylcholinesterase. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019 , 33, e22401	3.4	4
33	In Vitro Inhibition Effect and Molecular Docking Study of Curcumin, Resveratrol, and Quercetin on Human Erythrocyte Glutathione Transferase. <i>Current Enzyme Inhibition</i> , 2020 , 15, 197-205	0.5	4
32	Novel quinazolin-sulfonamid derivatives: synthesis, characterization, biological evaluation, and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-12	3.6	4
31	Evaluation of some thiophene-based sulfonamides as potent inhibitors of carbonic anhydrase I and II isoenzymes isolated from human erythrocytes by kinetic and molecular modelling studies. <i>Pharmacological Reports</i> , 2020 , 72, 1738-1748	3.9	4
30	Synthesis, characterization, crystal structure, α -glycosidase, and acetylcholinesterase inhibitory properties of 1,3-disubstituted benzimidazolium salts. <i>Archiv Der Pharmazie</i> , 2021 , 354, e2000422	4.3	4
29	Synthesis of novel 1,2,3 triazole derivatives and assessment of their potential cholinesterases, glutathione S-transferase enzymes inhibitory properties: An in vitro and in silico study. <i>Bioorganic Chemistry</i> , 2021 , 107, 104606	5.1	4
28	2-methylindole analogs as cholinesterases and glutathione S-transferase inhibitors: Synthesis, biological evaluation, molecular docking, and pharmacokinetic studies. <i>Arabian Journal of Chemistry</i> , 2021 , 103449	5.9	4
27	Screening of Carbonic Anhydrase, Acetylcholinesterase, Butyrylcholinesterase, and α -Glycosidase Enzyme Inhibition Effects and Antioxidant Activity of Coumestrol. <i>Molecules</i> , 2022 , 27, 3091	4.8	4

26	Synthesis, molecular docking and some metabolic enzyme inhibition properties of biphenyl-substituted chalcone derivatives. <i>Journal of Molecular Structure</i> , 2022 , 1254, 132358	3.4	3
25	Cytotoxicity effects and biochemical investigation of novel tetrakis-phthalocyanines bearing 2-thiocytosine moieties with molecular docking studies. <i>Inorganic Chemistry Communication</i> , 2022 , 138, 109263	3.1	3
24	New quinoxalin-1,3,4-oxadiazole derivatives: Synthesis, characterization, in vitro biological evaluations, and molecular modeling studies. <i>Archiv Der Pharmazie</i> , 2021 , 354, e2000471	4.3	3
23	Novel silver(I)N-heterocyclic carbene complexes bearing 2-(4-hydroxyphenyl)ethyl group: Synthesis, characterization, and enzyme inhibition properties. <i>Journal of Heterocyclic Chemistry</i> , 2021 , 58, 603-611	1.9	3
22	Comparison of the protective effects of curcumin and caffeic acid phenethyl ester against doxorubicin-induced testicular toxicity. <i>Andrologia</i> , 2020 , 53, e13919	2.4	3
21	Inhibition Profiles of Some Symmetric Sulfamides Derived from Phenethylamines on Human Carbonic Anhydrase I, and II Isoenzymes. <i>Chemistry and Biodiversity</i> , 2021 , 18, e2100422	2.5	3
20	Concise syntheses and some biological activities of dl-2,5-di-O-methyl-chiro-inositol, dl-1,4-di-O-methyl-scylo-inositol, and dl-1,6-dibromo-1,6-dideoxy-2,5-di-O-methyl-chiro-inositol. <i>Archiv Der Pharmazie</i> , 2021 , 354, e2000254	4.3	3
19	Some metal chelates with Schiff base ligand: synthesis, structure elucidation, thermal behavior, XRD evaluation, antioxidant activity, enzyme inhibition, and molecular docking studies. <i>Molecular Diversity</i> , 2021 , 1	3.1	2
18	Synthesis, enzymes inhibitory properties and characterization of 2- (bis (4-aminophenyl) methyl) butan-1-ol compound: Quantum simulations, and in-silico molecular docking studies. <i>Journal of the Indian Chemical Society</i> , 2021 , 98, 100206		2
17	Molecular docking and inhibition profiles of some antibiotics on lactoperoxidase enzyme purified from bovine milk. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-10	3.6	2
16	New Chalcone Derivatives with Pyrazole and Sulfonamide Pharmacophores as Carbonic Anhydrase Inhibitors. <i>Letters in Drug Design and Discovery</i> , 2021 , 18, 191-198	0.8	2
15	and enzyme inhibition effects of some metal ions and compounds on glutathione S-transferase enzyme purified from L. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-7	3.6	2
14	Biological Activity and Molecular Docking Study of Some Bicyclic Structures: Antidiabetic and Anticholinergic Potentials. <i>Polycyclic Aromatic Compounds</i> , 1-14	1.3	2
13	Pentafluorobenzyl-substituted Benzimidazolium Salts: Synthesis, Characterization, Crystal Structures, Computational Studies and Inhibitory Properties of Some Metabolic Enzymes. <i>Journal of Molecular Structure</i> , 2022 , 133266	3.4	2
12	Unravelling the phenolic compound reserves, antioxidant and enzyme inhibitory activities of an endemic plant species,. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-12	3.6	1
11	The effects of <i>Daucus carota</i> extract against PC3, PNT1a prostate cells, acetylcholinesterase, glutathione S-transferase, and β glycosidase; an in vitro-in silico study. <i>Journal of Food Biochemistry</i> , 2021 , 45, e13975	3.3	1
10	Metal contained Phthalocyanines with 3,4-Dimethoxyphenethoxy substituents: their anticancer, antibacterial activities and their inhibitory effects on some metabolic enzymes with molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-12	3.6	1
9	Synthesis and biological evaluation of new pyrazolebenzene-sulphonamides as potential anticancer agents and hCA I and II inhibitors. <i>Turkish Journal of Chemistry</i> , 2021 , 45, 528-539	1	1

8	Synthesis, Spectroscopic Analysis, and in Vitro/in Silico Biological Studies of Novel Piperidine Derivatives Heterocyclic Schiff-Mannich Base Compounds. <i>Chemistry and Biodiversity</i> , 2021 , 18, e2100433-5	3.5	1
7	The toxicological impact of some agents on glutathione S-transferase and cholinesterase enzymes 2021 , 281-290		1
6	Benzimidazolium salts bearing the trifluoromethyl group as organofluorine compounds: Synthesis, characterization, crystal structure, in silico study, and inhibitory profiles against acetylcholinesterase and glycosidase.. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022 , e23001	3.4	1
5	Synthesis and acetylcholinesterase enzyme inhibitory effects of some novel 4,5-Dihydro-1-1,2,4-triazol-5-one derivatives; an and study.. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022 , 1-9	3.6	1
4	Synthesis and some enzyme inhibition effects of isoxazoline and pyrazoline derivatives including benzonorborene unit. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021 , e22952	3.4	0
3	Possible inhibition mechanism of dobutamine hydrochloride as potent inhibitor for human glucose-6-phosphate dehydrogenase enzyme. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-9	3.6	0
2	Potential thiosemicarbazone-based enzyme inhibitors: Assessment of antiproliferative activity, metabolic enzyme inhibition properties, and molecular docking calculations.. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022 , e23018	3.4	0
1	New chalcone derivative, ethyl 2-(4-(3-(benzo[θ]thiophen-2-yl)acryloyl)phenoxy)acetate: synthesis, characterization, DFT study, enzyme inhibition activities and docking study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-8	3.6	