

# Ilhami Glin

## List of Publications by Citations

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417  
papers

27,182  
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91  
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430  
ext. papers

31,571  
ext. citations

3.9  
avg, IF

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L-index

#	Paper	IF	Citations
417	Antioxidant and radical scavenging properties of curcumin. <i>Chemico-Biological Interactions</i> , <b>2008</b> , 174, 27-37	5	1102
416	Antioxidant activity of food constituents: an overview. <i>Archives of Toxicology</i> , <b>2012</b> , 86, 345-91	5.8	929
415	Antioxidant activity of caffeic acid (3,4-dihydroxycinnamic acid). <i>Toxicology</i> , <b>2006</b> , 217, 213-20	4.4	725
414	Antioxidant and antiradical activities of L-carnitine. <i>Life Sciences</i> , <b>2006</b> , 78, 803-11	6.8	621
413	Determination of in vitro antioxidant activity of fennel ( <i>Foeniculum vulgare</i> ) seed extracts. <i>LWT - Food Science and Technology</i> , <b>2003</b> , 36, 263-271	5.4	509
412	Antioxidant properties of resveratrol: A structure-activity insight. <i>Innovative Food Science and Emerging Technologies</i> , <b>2010</b> , 11, 210-218	6.8	491
411	Screening of antioxidant and antimicrobial activities of anise ( <i>Pimpinella anisum</i> L.) seed extracts. <i>Food Chemistry</i> , <b>2003</b> , 83, 371-382	8.5	480
410	Antioxidant, antimicrobial, antiulcer and analgesic activities of nettle ( <i>Urtica dioica</i> L.). <i>Journal of Ethnopharmacology</i> , <b>2004</b> , 90, 205-15	5	479
409	Radical scavenging and antioxidant activity of tannic acid. <i>Arabian Journal of Chemistry</i> , <b>2010</b> , 3, 43-53	5.9	468
408	Antioxidants and antioxidant methods: an updated overview. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 651-715	5.8	365
407	Comparison of antioxidant activity of clove ( <i>Eugenia caryophyllata</i> Thunb) buds and lavender ( <i>Lavandula stoechas</i> L.). <i>Food Chemistry</i> , <b>2004</b> , 87, 393-400	8.5	312
406	Determination of antioxidant activity of lichen <i>Cetraria islandica</i> (L) Ach. <i>Journal of Ethnopharmacology</i> , <b>2002</b> , 79, 325-9	5	295
405	Polyphenol contents and antioxidant activity of lyophilized aqueous extract of propolis from Erzurum, Turkey. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 2227-38	4.7	255
404	Antioxidant activity of eugenol: a structure-activity relationship study. <i>Journal of Medicinal Food</i> , <b>2011</b> , 14, 975-85	2.8	237
403	Comparison of in vitro antioxidant and antiradical activities of L-tyrosine and L-Dopa. <i>Amino Acids</i> , <b>2007</b> , 32, 431-8	3.5	237
402	Antioxidant activity of clove oil is a powerful antioxidant source. <i>Arabian Journal of Chemistry</i> , <b>2012</b> , 5, 489-499	5.9	235
401	Polyphenol contents and in vitro antioxidant activities of lyophilised aqueous extract of kiwifruit ( <i>Actinidia deliciosa</i> ). <i>Food Research International</i> , <b>2011</b> , 44, 1482-1489	7	212

400	Determination of antioxidant and radical scavenging activity of Basil ( <i>Ocimum basilicum</i> L. Family Lamiaceae) assayed by different methodologies. <i>Phytotherapy Research</i> , <b>2007</b> , 21, 354-61	6.7	208
399	Determination of in vitro antioxidant and radical scavenging activities of propofol. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2005</b> , 53, 281-5	1.9	200
398	Carbonic anhydrase inhibitors. Inhibition of human erythrocyte isozymes I and II with a series of antioxidant phenols. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 3207-11	3.4	194
397	Antioxidant activity of L-adrenaline: a structure-activity insight. <i>Chemico-Biological Interactions</i> , <b>2009</b> , 179, 71-80	5	191
396	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> , <b>2010</b> , 18, 2159-2164	3.4	190
395	LCMS/MS analysis, antioxidant and anticholinergic properties of galanga ( <i>Alpinia officinarum</i> Hance) rhizomes. <i>Industrial Crops and Products</i> , <b>2015</b> , 74, 712-721	5.9	176
394	The antioxidant and radical scavenging activities of black pepper ( <i>Piper nigrum</i> ) seeds. <i>International Journal of Food Sciences and Nutrition</i> , <b>2005</b> , 56, 491-9	3.7	173
393	On the in vitro antioxidative properties of melatonin. <i>Journal of Pineal Research</i> , <b>2002</b> , 33, 167-71	10.4	165
392	Synthesis and carbonic anhydrase isoenzymes I, II, IX, and XII inhibitory effects of dimethoxybromophenol derivatives incorporating cyclopropane moieties. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 640-50	8.3	164
391	In vitro antioxidant properties of dantrolene sodium. <i>Pharmacological Research</i> , <b>2001</b> , 44, 491-4	10.2	164
390	In vitro inhibition of carbonic anhydrase isozymes by some phenolic compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 4259-62	2.9	158
389	Antioxidant and acetylcholinesterase inhibition properties of novel bromophenol derivatives. <i>Bioorganic Chemistry</i> , <b>2015</b> , 60, 49-57	5.1	156
388	Antioxidant and anticholinergic properties of olivetol. <i>Journal of Food Biochemistry</i> , <b>2018</b> , 42, e12516	3.3	156
387	In Vitro inhibition of human carbonic anhydrase I and II isozymes with natural phenolic compounds. <i>Chemical Biology and Drug Design</i> , <b>2011</b> , 77, 494-9	2.9	154
386	Antioxidant activity and polyphenol content of cherry stem ( <i>Cerasus avium</i> L.) determined by LCMS/MS. <i>Food Research International</i> , <b>2013</b> , 51, 66-74	7	151
385	Antiradical and antioxidant activity of total anthocyanins from <i>Perilla pankenensis</i> decne. <i>Journal of Ethnopharmacology</i> , <b>2005</b> , 101, 287-93	5	151
384	Antioxidant and analgesic activities of turpentine of <i>Pinus nigra</i> Arn. subsp. <i>pallsiana</i> (Lamb.) Holmboe. <i>Journal of Ethnopharmacology</i> , <b>2003</b> , 86, 51-8	5	151
383	Carbonic anhydrase inhibitors. Antioxidant polyphenols effectively inhibit mammalian isoforms I-XV. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 5050-3	2.9	135

382	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> , <b>2016</b> , 31, 1698-702	5.6	134
381	Diarylmethanon, bromophenol and diarylmethane compounds: Discovery of potent aldose reductase, $\alpha$ -amylase and $\alpha$ -glucosidase inhibitors as new therapeutic approach in diabetes and functional hyperglycemia. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 857-863	7.9	133
380	Metal chelating and hydrogen peroxide scavenging effects of melatonin. <i>Journal of Pineal Research</i> , <b>2003</b> , 34, 278-81	10.4	133
379	Antidiabetic and antiparasitic potentials: Inhibition effects of some natural antioxidant compounds on $\alpha$ -glucosidase, $\alpha$ -amylase and human glutathione S-transferase enzymes. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 741-746	7.9	132
378	In vitro antioxidant activity of silymarin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2009</b> , 24, 395-405	5.6	132
377	N-Acylsulfonamides strongly inhibit human carbonic anhydrase isoenzymes I and II. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 2598-605	3.4	128
376	Caffeic acid phenethyl ester (CAPE): correlation of structure and antioxidant properties. <i>International Journal of Food Sciences and Nutrition</i> , <b>2011</b> , 62, 821-5	3.7	127
375	Antioxidant activity of 5,10-dihydroindeno[1,2-b]indoles containing substituents on dihydroindeno part. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 6583-9	3.4	126
374	Antioxidant activity of taxifolin: an activity-structure relationship. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 674-83	5.6	125
373	Antioxidant activity and phenolic compounds of ginger ( <i>Zingiber officinale</i> Rosc.) determined by HPLC-MS/MS. <i>Journal of Food Measurement and Characterization</i> , <b>2017</b> , 11, 556-566	2.8	122
372	Synthesis, antioxidant, and antiacetylcholinesterase activities of sulfonamide derivatives of dopamine-related compounds. <i>Archiv Der Pharmazie</i> , <b>2013</b> , 346, 783-92	4.3	122
371	In vitro antioxidant properties of morphine. <i>Pharmacological Research</i> , <b>2004</b> , 49, 59-66	10.2	120
370	Discovery of potent carbonic anhydrase and acetylcholine esterase inhibitors: novel sulfamoylcarbamates and sulfamides derived from acetophenones. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 3592-602	3.4	119
369	One-step purification of lactoperoxidase from bovine milk by affinity chromatography. <i>Food Chemistry</i> , <b>2013</b> , 136, 864-70	8.5	118
368	Pomological features, nutritional quality, polyphenol content analysis, and antioxidant properties of domesticated and 3 wild ecotype forms of raspberries ( <i>Rubus idaeus</i> L.). <i>Journal of Food Science</i> , <b>2011</b> , 76, C585-93	3.4	118
367	Capsaicin: a potent inhibitor of carbonic anhydrase isoenzymes. <i>Molecules</i> , <b>2014</b> , 19, 10103-14	4.8	116
366	Antioxidant and Radical Scavenging Activity of Aerial Parts and Roots of Turkish Licorice ( <i>Glycyrrhiza Glabra</i> L.). <i>International Journal of Food Properties</i> , <b>2010</b> , 13, 657-671	3	116
365	Rosmarinic acid: a potent carbonic anhydrase isoenzymes inhibitor. <i>Turkish Journal of Chemistry</i> , <b>2014</b> , 38, 894-902	1	115

364	Carbonic anhydrase inhibitors: Inhibition of human erythrocyte isozymes I and II with a series of phenolic acids. <i>Chemical Biology and Drug Design</i> , <b>2010</b> , 75, 515-20	2.9	114
363	Antioxidant activity of lignans from fringe tree ( <i>Chionanthus virginicus</i> L.). <i>European Food Research and Technology</i> , <b>2006</b> , 223, 759-767	3.4	114
362	Synthesis and carbonic anhydrase inhibitory properties of sulfamides structurally related to dopamine. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 2925-31	3.4	112
361	Morphine inhibits erythrocyte carbonic anhydrase in vitro and in vivo. <i>Biological and Pharmaceutical Bulletin</i> , <b>2007</b> , 30, 2257-61	2.3	112
360	Screening the in vitro antioxidant, antimicrobial, anticholinesterase, antidiabetic activities of endemic <i>Achillea cucullata</i> (Asteraceae) ethanol extract. <i>South African Journal of Botany</i> , <b>2019</b> , 120, 141-145	2.9	110
359	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> , <b>2017</b> , 72, 359-366	5.1	109
358	Antioxidant, Antimicrobial, Antifungal, and Antiradical Activities of <i>Cyclotrichium Niveum</i> (BOISS.) Manden and Scheng. <i>International Journal of Food Properties</i> , <b>2008</b> , 11, 450-471	3	109
357	Antioxidant Activity, Acetylcholinesterase, and Carbonic Anhydrase Inhibitory Properties of Novel Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 944-954	4.3	108
356	Screening of antiradical and antioxidant activity of monodesmosides and crude extract from <i>Leontice smirnowii</i> tuber. <i>Phytomedicine</i> , <b>2006</b> , 13, 343-51	6.5	107
355	Antioxidant and Antiradical Properties of Selected Flavonoids and Phenolic Compounds. <i>Biochemistry Research International</i> , <b>2017</b> , 2017, 7616791	2.4	106
354	Purification and characterization of polyphenol oxidase from nettle ( <i>Urtica dioica</i> L.) and inhibitory effects of some chemicals on enzyme activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2005</b> , 20, 297-302	5.6	106
353	Synthesis, biological evaluation and molecular docking of novel pyrazole derivatives as potent carbonic anhydrase and acetylcholinesterase inhibitors. <i>Bioorganic Chemistry</i> , <b>2019</b> , 86, 420-427	5.1	105
352	Carbonic anhydrase and acetylcholinesterase inhibitory effects of carbamates and sulfamoylcarbamates. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2015</b> , 30, 316-20	5.6	105
351	Carbonic anhydrase inhibitors: guaiacol and catechol derivatives effectively inhibit certain human carbonic anhydrase isoenzymes (hCA I, II, IX and XII). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2015</b> , 30, 586-91	5.6	105
350	Novel sulfamides as potential carbonic anhydrase isoenzymes inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 1379-85	3.4	105
349	Novel antioxidant bromophenols with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions. <i>Bioorganic Chemistry</i> , <b>2017</b> , 74, 104-114	5.1	103
348	Acetylcholinesterase and carbonic anhydrase inhibitory properties of novel urea and sulfamide derivatives incorporating dopaminergic 2-aminotetralin scaffolds. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 2318-29	3.4	103
347	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> , <b>2016</b> , 31, 1005-101	5.6	101

346	Synthesis of diaryl ethers with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 79-85	5.6	101
345	A Study on the In Vitro Antioxidant Activity of Juniper ( <i>Juniperus communis</i> L.) Fruit Extracts. <i>Analytical Letters</i> , <b>2006</b> , 39, 47-65	2.2	100
344	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> , <b>2016</b> , 31, 1619-24	5.6	100
343	Carbonic anhydrase inhibitory properties of novel benzylsulfamides using molecular modeling and experimental studies. <i>Bioorganic Chemistry</i> , <b>2014</b> , 56, 75-82	5.1	99
342	Novel sulphamides and sulphonamides incorporating the tetralin scaffold as carbonic anhydrase and acetylcholine esterase inhibitors. <i>Archiv Der Pharmazie</i> , <b>2014</b> , 347, 68-76	4.3	99
341	Inhibitory effects of isatin Mannich bases on carbonic anhydrases, acetylcholinesterase, and butyrylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1498-501	5.6	98
340	In vitro and in vivo effects of dantrolene on carbonic anhydrase enzyme activities. <i>Biological and Pharmaceutical Bulletin</i> , <b>2004</b> , 27, 613-6	2.3	98
339	Synthesis and biological evaluation of novel tris-chalcones as potent carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase and $\beta$ -glycosidase inhibitors. <i>Bioorganic Chemistry</i> , <b>2019</b> , 85, 191-197	5.1	98
338	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> , <b>2004</b> , 19, 193-7	5.6	97
337	2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, $\beta$ -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1155, 797-806	3.4	97
336	The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and $\beta$ -glycosidase enzymes: An antidiabetic, anticholinergic, and antiepileptic study. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21995	3.4	96
335	Antioxidant secoiridoids from fringe tree ( <i>Chionanthus virginicus</i> L.). <i>Wood Science and Technology</i> , <b>2009</b> , 43, 195-212	2.5	96
334	Antioxidant activity of saponins isolated from ivy: alpha-hederin, hederasaponin-C, hederacolchiside-E and hederacolchiside-F. <i>Planta Medica</i> , <b>2004</b> , 70, 561-3	3.1	96
333	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> , <b>2016</b> , 44, 134-9	5.8	96
332	Novel thymol bearing oxypropanolamine derivatives as potent some metabolic enzyme inhibitors - Their antidiabetic, anticholinergic and antibacterial potentials. <i>Bioorganic Chemistry</i> , <b>2018</b> , 81, 119-126	5.1	95
331	(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> , <b>2013</b> , 28, 402-6	5.6	95
330	Antioxidant, antiradical, and anticholinergic properties of cynarin purified from the Illyrian thistle ( <i>Onopordum illyricum</i> L.). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 266-75	5.6	92
329	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> , <b>2016</b> , 31, 1-9	5.6	92



328	Oxidation of cyanobenzocycloheptatrienes: Synthesis, photooxygenation reaction and carbonic anhydrase isoenzymes inhibition properties of some new benzotropone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 3537-43	3.4	92
327	Carbonic anhydrase inhibitory properties of novel sulfonamide derivatives of aminoindanes and aminotetralins. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2014</b> , 29, 35-42	5.6	92
326	Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties. <i>Bioorganic Chemistry</i> , <b>2019</b> , 91, 103134	5.1	91
325	Sildenafil is a strong activator of mammalian carbonic anhydrase isoforms I-XIV. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 5791-5	3.4	91
324	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> , <b>2008</b> , 23, 871-6	5.6	91
323	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> , <b>2017</b> , 20, 514-525	3	89
322	The first synthesis, carbonic anhydrase inhibition and anticholinergic activities of some bromophenol derivatives with S including natural products. <i>Bioorganic Chemistry</i> , <b>2019</b> , 85, 128-139	5.1	89
321	Synephrine and phenylephrine act as $\alpha$ -amylase, $\alpha$ -glycosidase, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase enzymes inhibitors. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21973	3.4	88
320	Antioxidant activity of bisbenzylisoquinoline alkaloids from <i>Stephania rotunda</i> : cepharanthine and fangchinoline. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2010</b> , 25, 44-53	5.6	88
319	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> , <b>2018</b> , 124, 61-68	2.2	88
318	The effect of ethanol on erythrocyte carbonic anhydrase isoenzymes activity: an in vitro and in vivo study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2008</b> , 23, 266-70	5.6	87
317	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> , <b>2019</b> , 43, e12720	3.3	87
316	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> , <b>2018</b> , 91, 854-866	2.9	87
315	Synthesis and antioxidant properties of diphenylmethane derivative bromophenols including a natural product. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2010</b> , 25, 685-95	5.6	86
314	Synthesis, characterization, crystal structure, electrochemical studies and biological evaluation of metal complexes with thiosemicarbazone of glyoxylic acid. <i>Polyhedron</i> , <b>2018</b> , 155, 25-33	2.7	85
313	Synthesis, characterization, crystal structure of novel bis-thiomethylcyclohexanone derivatives and their inhibitory properties against some metabolic enzymes. <i>Bioorganic Chemistry</i> , <b>2019</b> , 82, 393-404	5.1	85
312	Phytochemical content, antioxidant activity, and enzyme inhibition effect of <i>Salvia eriophora</i> Boiss. & Kotschy against acetylcholinesterase, $\alpha$ -amylase, butyrylcholinesterase, and $\alpha$ -glycosidase enzymes. <i>Journal of Food Biochemistry</i> , <b>2019</b> , 43, e12776	3.3	84
311	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> , <b>2016</b> , 31, 152-7	5.6	83

310	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> , <b>2006</b> , 20, 130-4	6.7	83
309	Effects of low molecular weight plasma inhibitors of rainbow trout ( <i>Oncorhynchus mykiss</i> ) on human erythrocyte carbonic anhydrase-II isozyme activity in vitro and rat erythrocytes in vivo. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2005</b> , 20, 35-9	5.6	83
308	Purification and characterization of peroxidase from cauliflower ( <i>Brassica oleracea</i> L. var. botrytis) buds. <i>Protein and Peptide Letters</i> , <b>2008</b> , 15, 320-6	1.9	81
307	Investigation of inhibitory properties of some hydrazone compounds on hCA I, hCA II and AChE enzymes. <i>Bioorganic Chemistry</i> , <b>2019</b> , 86, 316-321	5.1	80
306	The synthesis of some lactams and investigation of their metal-chelating activity, carbonic anhydrase and acetylcholinesterase inhibition profiles. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 79-88	5.6	80
305	Novel eugenol derivatives: Potent acetylcholinesterase and carbonic anhydrase inhibitors. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 845-851	7.9	78
304	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> , <b>2016</b> , 31, 1531-9	5.6	78
303	Synthesis, carbonic anhydrase I and II inhibition studies of the 1,3,5-trisubstituted-pyrazolines. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 189-192	5.6	77
302	Acetylcholinesterase and carbonic anhydrase isoenzymes I and II inhibition profiles of taxifolin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 441-7	5.6	76
301	Synthesis, characterization, inhibition effects, and molecular docking studies as acetylcholinesterase, glycosidase, and carbonic anhydrase inhibitors of novel benzenesulfonamides incorporating 1,3,5-triazine structural motifs. <i>Bioorganic Chemistry</i> , <b>2020</b> , 100, 103897	5.1	76
300	Sulfonamide inhibitors: a patent review 2013-present. <i>Expert Opinion on Therapeutic Patents</i> , <b>2018</b> , 28, 541-549	6.8	76
299	Antidiabetic potential: In vitro inhibition effects of bromophenol and diarylmethanones derivatives on metabolic enzymes. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, e1800263	4.3	76
298	Synthesis and carbonic anhydrase inhibitory effects of novel sulfamides derived from 1-aminoindanes and anilines. <i>Archiv Der Pharmazie</i> , <b>2014</b> , 347, 950-7	4.3	75
297	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> , <b>2019</b> , 33, e22313	3.4	74
296	Antidiabetic potential: in vitro inhibition effects of some natural phenolic compounds on glycosidase and amylase enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21956	3.4	74
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293	Imidazolium chloride salts bearing wingtip groups: Synthesis, molecular docking and metabolic enzymes inhibition. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1179, 709-718	3.4	71



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289	The effects of some bromophenols on human carbonic anhydrase isoenzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 603-7	5.6	69
288	Synthesis and biological evaluation of phloroglucinol derivatives possessing $\alpha$ -glycosidase, acetylcholinesterase, butyrylcholinesterase, carbonic anhydrase inhibitory activity. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, 1700314	4.3	69
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285	Anticholinergic and antioxidant activities of usnic acid-an activity-structure insight. <i>Toxicology Reports</i> , <b>2019</b> , 6, 1273-1280	4.8	68
284	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> , <b>2017</b> , 70, 118-125	5.1	67
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281	Novel eugenol bearing oxypropanolamines: Synthesis, characterization, antibacterial, antidiabetic, and anticholinergic potentials. <i>Bioorganic Chemistry</i> , <b>2019</b> , 88, 102931	5.1	66
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278	Synthesis and discovery of potent carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and $\alpha$ -glycosidase enzymes inhibitors: The novel N,NPbis-cyanomethylamine and alkoxyethylamine derivatives. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22042	3.4	64
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265	RP-HPLC/MS/MS Analysis of the Phenolic Compounds, Antioxidant and Antimicrobial Activities of <i>Salvia L.</i> Species. <i>Antioxidants</i> , <b>2016</b> , 5,	7.1	58
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229	The effects of some avermectins on bovine carbonic anhydrase enzyme. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 773-8	5.6	41
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54	Synthesis, characterization and biological evaluation of N-substituted triazinane-2-thiones and theoretical experimental mechanism of condensation reaction. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5329	3.1	5
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49	2H-Indazolo[2,1-b]phthalazine-trione derivatives: Inhibition on some metabolic enzymes and molecular docking studies. <i>Journal of Heterocyclic Chemistry</i> , <b>2020</b> , 57, 3116-3125	1.9	5
48	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> , <b>2019</b> , 33, e22401	3.4	4
47	Novel quinazolin-sulfonamid derivatives: synthesis, characterization, biological evaluation, and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-12	3.6	4
46	Synthesis, characterization, crystal structure, $\alpha$ -glycosidase, and acetylcholinesterase inhibitory properties of 1,3-disubstituted benzimidazolium salts. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2000422	4.3	4
45	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> , <b>2021</b> , 107, 104606	5.1	4
44	2-methylindole analogs as cholinesterases and glutathione S-transferase inhibitors: Synthesis, biological evaluation, molecular docking, and pharmacokinetic studies. <i>Arabian Journal of Chemistry</i> , <b>2021</b> , 103449	5.9	4
43	New Pd(II) complexes of the bistiocarbonylhydrazones derived from isatin and disubstituted salicylaldehydes: Synthesis, characterization, crystal structures and inhibitory properties against some metabolic enzymes.. <i>Journal of Biological Inorganic Chemistry</i> , <b>2022</b> , 27, 271	3.7	4
42	Screening of Carbonic Anhydrase, Acetylcholinesterase, Butyrylcholinesterase, and $\alpha$ -Glycosidase Enzyme Inhibition Effects and Antioxidant Activity of Coumestrol. <i>Molecules</i> , <b>2022</b> , 27, 3091	4.8	4
41	Synthesis, molecular docking and some metabolic enzyme inhibition properties of biphenyl-substituted chalcone derivatives. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1254, 132358	3.4	3

40	Cytotoxicity effects and biochemical investigation of novel tetrakis-phthalocyanines bearing 2-thiocytosine moieties with molecular docking studies. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 138, 109263	3.1	3
39	New quinoxalin-1,3,4-oxadiazole derivatives: Synthesis, characterization, in vitro biological evaluations, and molecular modeling studies. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2000471	4.3	3
38	Novel Mannich bases with strong carbonic anhydrases and acetylcholinesterase inhibition effects: 3-(aminomethyl)-6-{3-[4-(trifluoromethyl)phenyl]acryloyl}-2(3H)-benzoxazolones. <i>Turkish Journal of Chemistry</i> , <b>2021</b> , 45, 805-818	1	3
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35	Novel phenolic Mannich base derivatives: synthesis, bioactivity, molecular docking, and ADME-Tox Studies. <i>Journal of the Iranian Chemical Society</i> , 1	2	3
34	Inhibition Profiles of Some Symmetric Sulfamides Derived from Phenethylamines on Human Carbonic Anhydrase I, and II Isoenzymes. <i>Chemistry and Biodiversity</i> , <b>2021</b> , 18, e2100422	2.5	3
33	Concise syntheses and some biological activities of dl-2,5-di-O-methyl-chiro-inositol, dl-1,4-di-O-methyl-scyllo-inositol, and dl-1,6-dibromo-1,6-dideoxy-2,5-di-O-methyl-chiro-inositol. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2000254	4.3	3
32	Purification, characterization and selected inhibition properties of peroxidase from haricot bean ( <i>Phaseolus vulgaris</i> L.). <i>International Journal of Food Properties</i> , <b>2017</b> , 1-10	3	2
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30	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> , <b>2021</b> , 1	3.1	2
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27	Molecular docking and inhibition profiles of some antibiotics on lactoperoxidase enzyme purified from bovine milk. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-10	3.6	2
26	New Chalcone Derivatives with Pyrazole and Sulfonamide Pharmacophores as Carbonic Anhydrase Inhibitors. <i>Letters in Drug Design and Discovery</i> , <b>2021</b> , 18, 191-198	0.8	2
25	A novel class for carbonic anhydrases inhibitors and evaluation of their non-zinc binding. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2100188	4.3	2
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16	The effects of Daucus carota extract against PC3, PNT1a prostate cells, acetylcholinesterase, glutathione S-transferase, and $\beta$ glycosidase; an in vitro-in silico study. <i>Journal of Food Biochemistry</i> , <b>2021</b> , 45, e13975	3.3	1
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14	Synthesis and biological evaluation of new pyrazolebenzene-sulphonamides as potential anticancer agents and hCA I and II inhibitors. <i>Turkish Journal of Chemistry</i> , <b>2021</b> , 45, 528-539	1	1
13	Oleuropein and Verbascoside - Their Inhibition Effects on Carbonic Anhydrase and Molecular Docking Studies. <i>Journal of Oleo Science</i> , <b>2021</b> , 70, 1275-1283	1.6	1
12	Some old 2-(4-(Aryl)- thiazole-2-yl)-3a,4,7,7a-tetrahydro-1H-4,7-tethanoisindole-1,3(2H)-dione derivatives: Synthesis, inhibition effects and molecular docking studies on Aldose reductase and $\beta$ Glycosidase. <i>Cumhuriyet Science Journal</i> , <b>2021</b> , 42, 553-564	0.4	1
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1	New chalcone derivative, ethyl 2-(4-(3-(benzo[ $\theta$ ]thiophen-2-yl)acryloyl)phenoxy)acetate: synthesis, characterization, DFT study, enzyme inhibition activities and docking study. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-8	3.6	