

ÅÃ¼krÅ¼ Beydemir

List of Publications by Year in descending order

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133
papers

6,845
citations

41258

49
h-index

82410

72
g-index

133
all docs

133
docs citations

133
times ranked

3477
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of antioxidant activity of clove (<i>Eugenia caryophyllata</i> Thunb) buds and lavender (<i>Lavandula stoechas</i> L.). <i>Food Chemistry</i> , 2004, 87, 393-400.	4.2	365
2	Antioxidant and Antiradical Properties of Selected Flavonoids and Phenolic Compounds. <i>Biochemistry Research International</i> , 2017, 2017, 1-10.	1.5	173
3	<i>In Vitro</i> Inhibition of Human Carbonic Anhydrase I and II Isozymes with Natural Phenolic Compounds. <i>Chemical Biology and Drug Design</i> , 2011, 77, 494-499.	1.5	170
4	Diarylmethanon, bromophenol and diarylmethane compounds: Discovery of potent aldose reductase, α -amylase and α -glycosidase inhibitors as new therapeutic approach in diabetes and functional hyperglycemia. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 857-863.	3.6	169
5	In vitro antioxidant properties of morphine. <i>Pharmacological Research</i> , 2004, 49, 59-66.	3.1	145
6	A Study on the In Vitro Antioxidant Activity of Juniper (<i>Juniperus communis</i> L.) Fruit Extracts. <i>Analytical Letters</i> , 2006, 39, 47-65.	1.0	129
7	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.	2.5	125
8	Synthesis, characterization, inhibition effects, and molecular docking studies as acetylcholinesterase, α -glycosidase, and carbonic anhydrase inhibitors of novel benzenesulfonamides incorporating 1,3,5-triazine structural motifs. <i>Bioorganic Chemistry</i> , 2020, 100, 103897.	2.0	125
9	Morphine Inhibits Erythrocyte Carbonic Anhydrase in Vitro and in Vivo. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 2257-2261.	0.6	120
10	Synthesis, biological evaluation and in silico studies of novel N-substituted phthalazine sulfonamide compounds as potent carbonic anhydrase and acetylcholinesterase inhibitors. <i>Bioorganic Chemistry</i> , 2019, 89, 103004.	2.0	112
11	Sildenafil is a strong activator of mammalian carbonic anhydrase isoforms α -XIV. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5791-5795.	1.4	110
12	In Vitro and in Vivo Effects of Dantrolene on Carbonic Anhydrase Enzyme Activities. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 613-616.	0.6	109
13	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, 193-197.	2.5	107
14	Antidiabetic potential: <i>In vitro</i> inhibition effects of bromophenol and diarylmethanones derivatives on metabolic enzymes. <i>Archiv Der Pharmazie</i> , 2018, 351, e1800263.	2.1	89
15	An approach to clarify the effect mechanism of glyphosate on body malformations during embryonic development of zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2017, 180, 77-85.	4.2	86
16	Oxidative stress and mRNA expression of acetylcholinesterase in the leukocytes of ischemic patients. <i>Biomedicine and Pharmacotherapy</i> , 2017, 87, 561-567.	2.5	81
17	Thiazolyl-pyrazoline derivatives: In vitro and in silico evaluation as potential acetylcholinesterase and carbonic anhydrase inhibitors. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1970-1988.	3.6	80
18	Design, synthesis, characterization, in vitro and in silico evaluation of novel imidazo[2,1-b][1,3,4]thiadiazoles as highly potent acetylcholinesterase and non-classical carbonic anhydrase inhibitors. <i>Bioorganic Chemistry</i> , 2021, 113, 105009.	2.0	78

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19	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.	2.5	77
20	Phenolic compounds inhibit the aldose reductase enzyme from the sheep kidney. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21936.	1.4	75
21	Anti-diabetic Properties of Calcium Channel Blockers: Inhibition Effects on Aldose Reductase Enzyme Activity. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 318-329.	1.4	70
22	Synthesis, characterisation, biological evaluation and <i>in silico</i> studies of sulphonamide Schiff bases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 950-962.	2.5	70
23	Benzenesulfonamide derivatives as potent acetylcholinesterase, α -glucosidase, and glutathione S-transferase inhibitors: biological evaluation and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 5449-5460.	2.0	69
24	Effect of calcium channel blockers on paraoxonase-1 (PON1) activity and oxidative stress. <i>Pharmacological Reports</i> , 2014, 66, 74-80.	1.5	68
25	Changes in the anti-oxidant system in adult epilepsy patients receiving anti-epileptic drugs. <i>Archives of Physiology and Biochemistry</i> , 2015, 121, 97-102.	1.0	67
26	Synthesis and bioactivity of several new hetaryl sulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 137-145.	2.5	67
27	Calcium channel blockers: molecular docking and inhibition studies on carbonic anhydrase I and II isoenzymes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1672-1680.	2.0	67
28	Synthesis, Characterization, and Inhibition Study of Novel Substituted Phenylureido Sulfaguanidine Derivatives as α -Glucosidase and Cholinesterase Inhibitors. <i>Chemistry and Biodiversity</i> , 2021, 18, e2000958.	1.0	67
29	Phenolic Compounds as Antioxidants: Carbonic Anhydrase Isoenzymes Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 408-430.	1.1	67
30	Novel benzoic acid derivatives: Synthesis and biological evaluation as multitarget acetylcholinesterase and carbonic anhydrase inhibitors. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000282.	2.1	65
31	New Isoindole-1,3-dione Substituted Sulfonamides as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase: Design, Synthesis, and Biological Evaluation. <i>ChemistrySelect</i> , 2019, 4, 13347-13355.	0.7	63
32	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.	2.7	63
33	Sulfonamides incorporating ketene <i>N,S</i> -acetals as potent carbonic anhydrase and acetylcholinesterase inhibitors. <i>Archiv Der Pharmazie</i> , 2020, 353, e1900383.	2.1	62
34	Benzenesulfonamide derivatives containing imine and amine groups: Inhibition on human paraoxonase and molecular docking studies. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 1111-1123.	3.6	61
35	Synthesis, characterization, biological evaluation, and <i>in silico</i> studies of novel 1,3,4-diazatriazene-substituted sulfathiazole derivatives. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000102.	2.1	59
36	Intravenous anesthetics inhibit human paraoxonase-1 (PON1) activity <i>in vitro</i> and <i>in vivo</i> . <i>Clinical Biochemistry</i> , 2008, 41, 1384-1390.	0.8	58

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37	Purification, refolding, and characterization of recombinant human paraoxonase-1. <i>Turkish Journal of Chemistry</i> , 2015, 39, 764-776.	0.5	58
38	Inhibition effects of quinones on aldose reductase: Antidiabetic properties. <i>Environmental Toxicology and Pharmacology</i> , 2019, 70, 103195.	2.0	58
39	Determination of the inhibition profiles of pyrazolyl-thiazole derivatives against aldose reductase and α -glucosidase and molecular docking studies. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000118.	2.1	58
40	A new series of 2,4-thiazolidinediones endowed with potent aldose reductase inhibitory activity. <i>Open Chemistry</i> , 2021, 19, 347-357.	1.0	58
41	Molecular docking and investigation of 4-(benzylideneamino)- and 4-(benzylamino)-benzenesulfonamide derivatives as potent AChE inhibitors. <i>Chemical Papers</i> , 2020, 74, 1395-1405.	1.0	57
42	Design, synthesis, in vitro and in silico investigation of aldose reductase inhibitory effects of new thiazole-based compounds. <i>Bioorganic Chemistry</i> , 2020, 102, 104110.	2.0	56
43	Novel metabolic enzyme inhibitors designed through the molecular hybridization of thiazole and pyrazoline scaffolds. <i>Archiv Der Pharmazie</i> , 2021, 354, e2100294.	2.1	56
44	Cytotoxic effect, enzyme inhibition, and in silico studies of some novel N-substituted sulfonyl amides incorporating 1,3,4-oxadiazol structural motif. <i>Molecular Diversity</i> , 2022, 26, 2825-2845.	2.1	56
45	In vitro inhibitory effects of palonosetron hydrochloride, bevacizumab and cyclophosphamide on purified paraoxonase-I (hPON1) from human serum. <i>Environmental Toxicology and Pharmacology</i> , 2016, 42, 252-257.	2.0	55
46	Antiepileptic drugs: Impacts on human serum paraoxonase-I. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21889.	1.4	55
47	Effects of glyphosate on juvenile rainbow trout (<i>Oncorhynchus mykiss</i>): Transcriptional and enzymatic analyses of antioxidant defence system, histopathological liver damage and swimming performance. <i>Ecotoxicology and Environmental Safety</i> , 2015, 111, 206-214.	2.9	54
48	Novel inhibitors with sulfamethazine backbone: synthesis and biological study of multi-target cholinesterases and α -glucosidase inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 8752-8764.	2.0	54
49	Purification of PON1 from Human Serum and Assessment of Enzyme Kinetics Against Metal Toxicity. <i>Biological Trace Element Research</i> , 2010, 135, 112-120.	1.9	53
50	Molecular Docking Studies and Inhibition Properties of Some Antineoplastic Agents against Paraoxonase-I. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 20, 887-896.	0.9	53
51	Evaluation of the impacts of antibiotic drugs on PON 1; a major bioscavenger against cardiovascular diseases. <i>European Journal of Pharmacology</i> , 2009, 617, 84-89.	1.7	52
52	Human serum paraoxonase-1 (hPON1): in vitro inhibition effects of moxifloxacin hydrochloride, levofloxacin hemihidrate, cefepime hydrochloride, cefotaxime sodium and ceftizoxime sodium. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 622-628.	2.5	52
53	Evaluation of chalcones as inhibitors of glutathione S-transferase. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22047.	1.4	52
54	Synthesis, molecular docking analysis and carbonic anhydrase II inhibitory evaluation of new sulfonamide derivatives. <i>Bioorganic Chemistry</i> , 2019, 91, 103153.	2.0	52

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55	Gadolinium-based contrast agents: <i>in vitro</i> paraoxonase 1 inhibition, <i>in silico</i> studies. Drug and Chemical Toxicology, 2021, 44, 508-517.	1.2	52
56	Synthesis and paraoxonase activities of novel bromophenols. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 1073-1079.	2.5	51
57	The behavior of some chalcones on acetylcholinesterase and carbonic anhydrase activity. Drug and Chemical Toxicology, 2019, 42, 634-640.	1.2	51
58	Transition-Metal Complexes of Bidentate Schiff-Base Ligands: In Vitro and In Silico Evaluation as Non-Classical Carbonic Anhydrase and Potential Acetylcholinesterase Inhibitors. ChemistrySelect, 2021, 6, 7278-7284.	0.7	51
59	Inhibition behaviours of some phenolic acids on rat kidney aldose reductase enzyme: an <i>in vitro</i> study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 277-284.	2.5	50
60	The effects of some cephalosporins on acetylcholinesterase and glutathione S-transferase: an <i>in vivo</i> and <i>in vitro</i> study. Archives of Physiology and Biochemistry, 2019, 125, 235-243.	1.0	50
61	Some calcium-channel blockers: kinetic and <i>in silico</i> studies on paraoxonase-I. Journal of Biomolecular Structure and Dynamics, 2022, 40, 77-85.	2.0	50
62	Molecular docking and inhibition studies of vulpinic, carnosic and usnic acids on polyol pathway enzymes. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12008-12021.	2.0	50
63	Inhibitory Effects of Usnic and Carnosic Acid on Some Metabolic Enzymes: An In vitro Study. Protein and Peptide Letters, 2019, 26, 364-370.	0.4	50
64	The Influence of Some Nonsteroidal Anti-inflammatory Drugs on Metabolic Enzymes of Aldose Reductase, Sorbitol Dehydrogenase, and α -Glucosidase: a Perspective for Metabolic Disorders. Applied Biochemistry and Biotechnology, 2020, 190, 437-447.	1.4	49
65	Phenolic Compounds as Antioxidants: Carbonic Anhydrase Isoenzymes Inhibitors. Mini-Reviews in Medicinal Chemistry, 2013, 13, 408-430.	1.1	48
66	Inhibition effects of pesticides on glutathione S-transferase enzyme activity of Van Lake fish liver. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22196.	1.4	47
67	Inhibition of Human Serum Paraoxonase-I with Antimycotic Drugs: In Vitro and In Silico Studies. Applied Biochemistry and Biotechnology, 2020, 190, 252-269.	1.4	47
68	Mannich reaction derived novel boron complexes with amine-bis(phenolate) ligands: Synthesis, spectroscopy and <i>in vitro/in silico</i> biological studies. Journal of Organometallic Chemistry, 2020, 927, 121542.	0.8	46
69	Protective role of l-carnitine supplementation against exhaustive exercise induced oxidative stress in rats. European Journal of Pharmacology, 2011, 668, 407-413.	1.7	45
70	In Vitro and In Silico Studies on the Toxic Effects of Antibacterial Drugs as Human Serum Paraoxonase 1 Inhibitor. ChemistrySelect, 2019, 4, 9731-9736.	0.7	45
71	Some drugs inhibit <i>in vitro</i> hydratase and esterase activities of human carbonic anhydrase-I and II. Pharmacological Reports, 2007, 59, 580-7.	1.5	45
72	Effects of some medical drugs on enzyme activities of carbonic anhydrase from human erythrocytes <i>in vitro</i> and from rat erythrocytes <i>in vivo</i> . Pharmacological Research, 2000, 42, 187-191.	3.1	44

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73	Effects of Some Metals on Carbonic Anhydrase from Brains of Rainbow Trout. <i>Biological Trace Element Research</i> , 2008, 123, 179-190.	1.9	44
74	Effect of some analgesics on Paraoxonase-1 purified from human serum. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009, 24, 1034-1039.	2.5	44
75	Some cardiovascular therapeutics inhibit paraoxonase 1 (PON1) from human serum. <i>European Journal of Pharmacology</i> , 2010, 645, 135-142.	1.7	44
76	An Alternative Purification Method for Human Serum Paraoxonase 1 and its Interactions with Sulfonamides. <i>Chemical Biology and Drug Design</i> , 2010, 76, 552-558.	1.5	44
77	The In Vitro and In Vivo Inhibitory Effects of Some Sulfonamide Derivatives on Rainbow Trout (<i>Oncorhynchus Mykiss</i>) Erythrocyte Carbonic Anhydrase Activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2003, 18, 371-375.	2.5	43
78	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.	1.4	43
79	Biological effects of bis-hydrazone compounds bearing isovanillin moiety on the aldose reductase. <i>Bioorganic Chemistry</i> , 2021, 117, 105473.	2.0	43
80	Phenolic compounds: The inhibition effect on polyol pathway enzymes. <i>Chemico-Biological Interactions</i> , 2017, 266, 47-55.	1.7	42
81	Design, synthesis, and biological activity of novel dithiocarbamate-methylsulfonyl hybrids as carbonic anhydrase inhibitors. <i>Archiv Der Pharmazie</i> , 2022, 355, e2200132.	2.1	42
82	Risk assessment of pesticides and fungicides for acid-base regulation and salt transport in rainbow trout tissues. <i>Pesticide Biochemistry and Physiology</i> , 2010, 97, 66-70.	1.6	41
83	Synthesis, biological evaluation, and in silico study of novel library sulfonates containing quinazolin-4(3H)-one derivatives as potential aldose reductase inhibitors. <i>Drug Development Research</i> , 2021, , .	1.4	41
84	Some Anticancer Agents Act on Human Serum Paraoxonase-1 to Reduce Its Activity. <i>Chemical Biology and Drug Design</i> , 2016, 88, 188-196.	1.5	40
85	In vivo changes in carbonic anhydrase activity and histopathology of gill and liver tissues after acute exposure to chlorpyrifos in rainbow trout. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2014, 65, 377-385.	0.4	37
86	Infection Medications: Assessment In Vitro Glutathione S-Transferase Inhibition and Molecular Docking Study. <i>ChemistrySelect</i> , 2021, 6, 11915-11924.	0.7	35
87	An extensive research on aldose reductase inhibitory effects of new 4H-1,2,4-triazole derivatives. <i>Journal of Molecular Structure</i> , 2021, 1224, 129446.	1.8	34
88	Effects of Gentamicin Sulfate on Enzyme Activities of Carbonic Anhydrase from Human Erythrocytes in Vitro and from Rat Erythrocytes in Vivo.. <i>Biological and Pharmaceutical Bulletin</i> , 2002, 25, 966-969.	0.6	33
89	Carbonic anhydrase, obstructive sleep apnea and hypertension: Effects of intervention. <i>Journal of Sleep Research</i> , 2020, 29, e12956.	1.7	33
90	Identification of a new class of potent aldose reductase inhibitors: Design, microwave-assisted synthesis, in vitro and in silico evaluation of 2-pyrazolines. <i>Chemico-Biological Interactions</i> , 2021, 345, 109576.	1.7	33

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91	Facile synthesis and characterization of novel pyrazole-sulfonamides and their inhibition effects on human carbonic anhydrase isoenzymes. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 21-27.	1.4	32
92	Purification of glucose 6-phosphate dehydrogenase from Buffalo (<i>Bubalus bubalis</i>) erythrocytes and investigation of some kinetic properties. <i>Protein Expression and Purification</i> , 2003, 29, 304-310.	0.6	31
93	Purification and Some Kinetic Properties of Carbonic Anhydrase from Rainbow Trout (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBT /Ove 0.4 29	0.4	29
94	Calcium Channel Blockers: The Effect of Glutathione S-Transferase Enzyme Activity and Molecular Docking Studies. <i>ChemistrySelect</i> , 2021, 6, 11137-11143.	0.7	29
95	Inhibitory effects of some phenolic compounds on the activities of carbonic anhydrase: from <i>in vivo</i> to <i>ex vivo</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1234-1240.	2.5	28
96	Purification and Biochemical Characterization of Phytase Enzyme from <i>Lactobacillus coryniformis</i> (MH121153). <i>Molecular Biotechnology</i> , 2018, 60, 783-790.	1.3	28
97	Some Anti-inflammatory Agents Inhibit Esterase Activities of Human Carbonic Anhydrase Isoforms I and II: An <i>In Vitro</i> Study. <i>Chemical Biology and Drug Design</i> , 2015, 86, 857-863.	1.5	27
98	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.	1.4	27
99	Purification and Characterization of Glucose 6-phosphate Dehydrogenase from Sheep Erythrocytes and Inhibitory Effects of some Antibiotics on Enzyme Activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2002, 17, 271-277.	2.5	26
100	Effects of some anti-neoplastic drugs on sheep liver sorbitol dehydrogenase. <i>Archives of Physiology and Biochemistry</i> , 2012, 118, 244-252.	1.0	26
101	Carbonic anhydrase activity from the gilthead sea bream (<i>Sparus aurata</i>) liver: The toxicological effects of heavy metals. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 514-521.	2.0	25
102	Glucose 6-phosphate dehydrogenase: in vitro and in vivo effects of dantrolene sodium. <i>Polish Journal of Pharmacology</i> , 2003, 55, 787-92.	0.3	24
103	Inhibitory effect of novel pyrazole carboxamide derivatives on human carbonic anhydrase enzyme. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 328-336.	2.5	23
104	Influence of Cobalt and Zinc Exposure on mRNA Expression Profiles of Metallothionein and Cytocrome P450 in Rainbow Trout. <i>Biological Trace Element Research</i> , 2011, 144, 781-789.	1.9	20
105	Methyl benzoate derivatives: in vitro Paraoxonase 1 inhibition and in silico studies. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, .	1.4	20
106	Paraoxonase-1, an organophosphate detoxifier and cardioprotective enzyme, is inhibited by anesthetics: An in vitro and in vivo insight. <i>Pesticide Biochemistry and Physiology</i> , 2011, 101, 206-211.	1.6	19
107	Assessment of the inhibitory effects and molecular docking of some sulfonamides on human serum paraoxonase 1. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21950.	1.4	19
108	The synthesis of novel pyrazole-3,4-dicarboxamides bearing 5-amino-1,3,4-thiadiazole-2-sulfonamide moiety with effective inhibitory activity against the isoforms of human cytosolic carbonic anhydrase I and II. <i>Bioorganic Chemistry</i> , 2016, 68, 64-71.	2.0	18

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109	Mechanism of capsaicin inhibition of aldose reductase activity. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, N/A.	1.4	18
110	AChE mRNA expression as a possible novel biomarker for the diagnosis of coronary artery disease and Alzheimer's disease, and its association with oxidative stress. <i>Archives of Physiology and Biochemistry</i> , 2022, 128, 352-359.	1.0	18
111	The impact of some phenolic compounds on serum acetylcholinesterase: kinetic analysis of an enzyme/inhibitor interaction and molecular docking study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 6515-6523.	2.0	18
112	Design, synthesis, and aldose reductase inhibitory effect of some novel carboxylic acid derivatives bearing 2-substituted-6-aryloxy-pyridazinone moiety. <i>Journal of Molecular Structure</i> , 2022, 1258, 132675.	1.8	18
113	Potent Inhibitory Effects of Some Phenolic Acids on Lactoperoxidase. <i>Journal of Biochemical and Molecular Toxicology</i> , 2016, 30, 533-538.	1.4	16
114	The toxicological impacts of some heavy metals on carbonic anhydrase from gilthead sea bream (<i>Sparus aurata</i>) gills. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 825-832.	2.0	15
115	High enzymatic activity preservation of malate dehydrogenase immobilized in a Langmuir-Blodgett film and its electrochemical biosensor application for malic acid detection. <i>RSC Advances</i> , 2016, 6, 79792-79797.	1.7	14
116	Phytase from <i>Weissella halotolerans</i> : purification, partial characterisation and the effect of some metals. <i>International Journal of Food Properties</i> , 0, , 1-11.	1.3	14
117	Kinetic Behaviour of Glucose 6-Phosphate Dehydrogenase and 6-Phosphogluconate Dehydrogenase in Different Tissues of Rainbow Trout (<i>Oncorhynchus mykiss</i>) Exposed to Non-Lethal Concentrations of Cadmium. <i>Acta Veterinaria Brno</i> , 2009, 78, 179-185.	0.2	14
118	Novel pyrazole-3,4-dicarboxamides bearing biologically active sulfonamide moiety as potential carbonic anhydrase inhibitors. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2740-2748.	2.3	13
119	The interactions of cephalosporins on polyol pathway enzymes from sheep kidney. <i>Archives of Physiology and Biochemistry</i> , 2018, 124, 35-44.	1.0	12
120	In vitro effects of pesticide exposure on the activity of the paraoxonase-1 enzyme from sheep liver microsomes. <i>Turkish Journal of Chemistry</i> , 2014, 38, 512-520.	0.5	11
121	The impact of heavy metals on the activity of carbonic anhydrase from rainbow trout (<i>Oncorhynchus mykiss</i>) kidney. <i>Toxicology and Industrial Health</i> , 2012, 28, 296-305.	0.6	10
122	Carbonic Anhydrase Activities from the Rainbow Trout Lens Correspond to the Development of Acute Gas Bubble Disease. <i>Journal of Aquatic Animal Health</i> , 2011, 23, 134-139.	0.6	9
123	Purification of the phytase enzyme from <i>Lactobacillus plantarum</i> : The effect on pansy growth and macro-micro element content. <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 1067-1075.	1.4	8
124	Synthesis, characterization and carbonic anhydrase I and II inhibitory evaluation of new sulfonamide derivatives bearing dithiocarbamate. <i>European Journal of Medicinal Chemistry</i> , 2020, 198, 112392.	2.6	7
125	Alcohol Dehydrogenase from Sheep Liver: Purification, Characterization and Impacts of Some Antibiotics. <i>Journal of the Institute of Science and Technology</i> , 2017, 7, 151-159.	0.3	7
126	Impact of antibacterial drugs on human serum paraoxonase-1 (hPON1) activity: an in vitro study. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2014, 4, 603-609.	0.5	6

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127	Influence of pesticide exposure on carbonic anhydrase II from sheep stomach. <i>Toxicology and Industrial Health</i> , 2015, 31, 823-830.	0.6	6
128	Are increased salivary carbonic anhydrase VI levels related to the amount of supragingival dental calculus formation and clinical periodontal scores?. <i>Journal of Dental Sciences</i> , 2015, 10, 123-127.	1.2	5
129	<i>In vitro</i> and <i>in silico</i> interactions of antiulcer, glucocorticoids and urological drugs on human carbonic anhydrase I and II isozymes. <i>Biopharmaceutics and Drug Disposition</i> , 2022, 43, 47-56.	1.1	4
130	Recombinant human carbonic anhydrase VII: Purification, characterization, inhibition, and molecular docking studies. <i>Biotechnology and Applied Biochemistry</i> , 2023, 70, 415-428.	1.4	4
131	Evaluation of Inhibition Effects of Some Cardiovascular Therapeutics on Human Erythrocyte Carbonic Anhydrase Isoenzymes. <i>Bitlis Eren Üniversitesi Fen Bilimleri Dergisi</i> , 0, , 90-97.	0.1	3
132	Purification and Characterization of Nitric Oxide Synthase from Bovine Kidney and Investigating Drug-Induced Toxicities of Some Antibiotics on the Enzyme Activity. <i>Current Enzyme Inhibition</i> , 2017, 13, .	0.3	0
133	The role of the Cellular Antioxidant Defense System on Oxidative Stress in Acute Appendicitis. <i>Hacettepe Journal of Biology and Chemistry</i> , 0, , .	0.3	0