ÅÃ¼krÃ¼ Beydemir

List of Publications by Year
in descending order

133 papers	6,845 citations	41339 49 h-index	82542 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 (Eugenia caryophylata Thunb) buds and lavender (Lavandula stoechas L.). Food Chemistry, 2004, 87, 393-400.	8.2	365
2	Antioxidant and Antiradical Properties of Selected Flavonoids and Phenolic Compounds. Biochemistry Research International, 2017, 2017, 1-10.	3.3	173
3	In Vitro Inhibition of Human Carbonic Anhydrase I and II Isozymes with Natural Phenolic Compounds. Chemical Biology and Drug Design, 2011, 77, 494-499.	3.2	170
4	Diarylmethanon, bromophenol and diarylmethane compounds: Discovery of potent aldose reductase, Î±-amylase and Î±-glycosidase inhibitors as new therapeutic approach in diabetes and functional hyperglycemia. International Journal of Biological Macromolecules, 2018, 119, 857-863.	7.5	169
5	In vitro antioxidant properties of morphine. Pharmacological Research, 2004, 49, 59-66.	7.1	145
6	A Study on the In Vitro Antioxidant Activity of Juniper (Juniperus communisL.) Fruit Extracts. Analytical Letters, 2006, 39, 47-65.	1.8	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. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1-9.	5.2	125
8	Synthesis, characterization, inhibition effects, and molecular docking studies as acetylcholinesterase, Î±-glycosidase, and carbonic anhydrase inhibitors of novel benzenesulfonamides incorporating 1,3,5-triazine structural motifs. Bioorganic Chemistry, 2020, 100, 103897.	4.1	125
9	Morphine Inhibits Erythrocyte Carbonic Anhydrase in Vitro and in Vivo. Biological and Pharmaceutical Bulletin, 2007, 30, 2257-2261.	1.4	120
10	Synthesis, biological evaluation and in silico studies of novel N-substituted phthalazine sulfonamide compounds as potent carbonic anhydrase and acetylcholinesterase inhibitors. Bioorganic Chemistry, 2019, 89, 103004.	4.1	112
11	Sildenafil is a strong activator of mammalian carbonic anhydrase isoforms Iâ€“XIV. Bioorganic and Medicinal Chemistry, 2009, 17, 5791-5795.	3.0	110
12	In Vitro and in Vivo Effects of Dantrolene on Carbonic Anhydrase Enzyme Activities. Biological and Pharmaceutical Bulletin, 2004, 27, 613-616.	1.4	109
13	Effects of Melatonin on Carbonic Anhydrase from Human Erythrocytes In Vitro and from Rat Erythrocytes In Vivo. Journal of Enzyme Inhibition and Medicinal Chemistry, 2004, 19, 193-197.	5.2	107
14	Antidiabetic potential: In vitro inhibition effects of bromophenol and diarylmethanones derivatives on metabolic enzymes. Archiv Der Pharmazie, 2018, 351, e1800263.	4.1	89
15	An approach to clarify the effect mechanism of glyphosate on body malformations during embryonic development of zebrafish (Daino rerio). Chemosphere, 2017, 180, 77-85.	8.2	86
16	Oxidative stress and mRNA expression of acetylcholinesterase in the leukocytes of ischemic patients. Biomedicine and Pharmacotherapy, 2017, 87, 561-567.	5.6	81
17	Thiazolyl-pyrazoline derivatives: In vitro and in silico evaluation as potential acetylcholinesterase and carbonic anhydrase inhibitors. International Journal of Biological Macromolecules, 2020, 163, 1970-1988.	7.5	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. Bioorganic Chemistry, 2021, 113, 105009.	4.1	78

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19	Synthesis and biological evaluation of aminomethyl and alkoxymethyl derivatives as carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1174-1182.	5.2	77
20	Phenolic compounds inhibit the aldose reductase enzyme from the sheep kidney. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21936.	3.0	75
21	Anti-diabetic Properties of Calcium Channel Blockers: Inhibition Effects on Aldose Reductase Enzyme Activity. Applied Biochemistry and Biotechnology, 2019, 189, 318-329.	2.9	70
22	Synthesis, characterisation, biological evaluation andin silicostudies of sulphonamide Schiff bases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 950-962.	5.2	70
23	Benzenesulfonamide derivatives as potent acetylcholinesterase, Î±-glycosidase, and glutathione S-transferase inhibitors: biological evaluation and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5449-5460.	3.5	69
24	Effect of calcium channel blockers on paraoxonase-1 (PON1) activity and oxidative stress. Pharmacological Reports, 2014, 66, 74-80.	3.3	68
25	Changes in the anti-oxidant system in adult epilepsy patients receiving anti-epileptic drugs. Archives of Physiology and Biochemistry, 2015, 121, 97-102.	2.1	67
26	Synthesis and bioactivity of several new hetaryl sulfonamides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 137-145.	5.2	67
27	Calcium channel blockers: molecular docking and inhibition studies on carbonic anhydrase I and II isoenzymes. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1672-1680.	3.5	67
28	Synthesis, Characterization, and Inhibition Study of Novel Substituted Phenylureido Sulfaguanidine Derivatives as Î±â€Glycosidase and Cholinesterase Inhibitors. Chemistry and Biodiversity, 2021, 18, e2000958.	2.1	67
29	Phenolic Compounds as Antioxidants: Carbonic Anhydrase Isoenzymes Inhibitors. Mini-Reviews in Medicinal Chemistry, 2013, 13, 408-430.	2.4	67
30	Novel benzoic acid derivatives: Synthesis and biological evaluation as multitarget acetylcholinesterase and carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2021, 354, e2000282.	4.1	65
31	New Isoindoleâ€1,3â€dione Substituted Sulfonamides as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase: Design, Synthesis, and Biological Evaluation. ChemistrySelect, 2019, 4, 13347-13355.	1.5	63
32	Inhibition effects of some pesticides and heavy metals on carbonic anhydrase enzyme activity purified from horse mackerel (Trachurus trachurus) gill tissues. Environmental Science and Pollution Research, 2020, 27, 10607-10616.	5.3	63
33	Sulfonamides incorporating ketene N,Sâ€acetal bioisosteres as potent carbonic anhydrase and acetylcholinesterase inhibitors. Archiv Der Pharmazie, 2020, 353, e1900383.	4.1	62
34	Benzenesulfonamide derivatives containing imine and amine groups: Inhibition on human paraoxonase and molecular docking studies. International Journal of Biological Macromolecules, 2020, 146, 1111-1123.	7.5	61
35	Synthesis, characterization, biological evaluation, and in silico studies of novel 1,3â€diaryltriazeneâ€substituted sulfathiazole derivatives. Archiv Der Pharmazie, 2020, 353, e2000102.	4.1	59
36	Intravenous anesthetics inhibit human paraoxonase-1 (PON1) activity in vitro and in vivo. Clinical Biochemistry, 2008, 41, 1384-1390.	1.9	58

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37	Purification, refolding, and characterization of recombinant human paraoxonase-1. Turkish Journal of Chemistry, 2015, 39, 764-776.	1.2	58
38	Inhibition effects of quinones on aldose reductase: Antidiabetic properties. Environmental Toxicology and Pharmacology, 2019, 70, 103195.	4.0	58
39	Determination of the inhibition profiles of pyrazolylâ€“thiazole derivatives against aldose reductase and Î±â€glycosidase and molecular docking studies. Archiv Der Pharmazie, 2020, 353, e2000118.	4.1	58
40	A new series of 2,4-thiazolidinediones endowed with potent aldose reductase inhibitory activity. Open Chemistry, 2021, 19, 347-357.	1.9	58
41	Molecular docking and investigation of 4-(benzylideneamino)- and 4-(benzylamino)-benzenesulfonamide derivatives as potent AChE inhibitors. Chemical Papers, 2020, 74, 1395-1405.	2.2	57
42	Design, synthesis, in vitro and in silico investigation of aldose reductase inhibitory effects of new thiazole-based compounds. Bioorganic Chemistry, 2020, 102, 104110.	4.1	56
43	Novel metabolic enzyme inhibitors designed through the molecular hybridization of thiazole and pyrazoline scaffolds. Archiv Der Pharmazie, 2021, 354, e2100294.	4.1	56
44	Cytotoxic effect, enzyme inhibition, and in silico studies of some novel N-substituted sulfonyl amides incorporating 1,3,4-oxadiazol structural motif. Molecular Diversity, 2022, 26, 2825-2845.	3.9	56
45	In vitro inhibitory effects of palonosetron hydrochloride, bevacizumab and cyclophosphamide on purified paraoxonase-I (hPON1) from human serum. Environmental Toxicology and Pharmacology, 2016, 42, 252-257.	4.0	55
46	Antiepileptic drugs: Impacts on human serum paraoxonaseâ€1. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21889.	3.0	55
47	Effects of glyphosate on juvenile rainbow trout (Oncorhynchus mykiss): Transcriptional and enzymatic analyses of antioxidant defence system, histopathological liver damage and swimming performance. Ecotoxicology and Environmental Safety, 2015, 111, 206-214.	6.0	54
48	Novel inhibitors with sulfamethazine backbone: synthesis and biological study of multi-target cholinesterases and Î±-glucosidase inhibitors. Journal of Biomolecular Structure and Dynamics, 2022, 40, 8752-8764.	3.5	54
49	Purification of PON1 from Human Serum and Assessment of Enzyme Kinetics Against Metal Toxicity. Biological Trace Element Research, 2010, 135, 112-120.	3.5	53
50	Molecular Docking Studies and Inhibition Properties of Some Antineoplastic Agents against Paraoxonase-I. Anti-Cancer Agents in Medicinal Chemistry, 2020, 20, 887-896.	1.7	53
51	Evaluation of the impacts of antibiotic drugs on PON 1; a major bioscavenger against cardiovascular diseases. European Journal of Pharmacology, 2009, 617, 84-89.	3.5	52
52	Human serum paraoxonase-1 (hPON1):in vitroinhibition effects of moxifloxacin hydrochloride, levofloxacin hemihidrate, cefepime hydrochloride, cefotaxime sodium and ceftizoxime sodium. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 622-628.	5.2	52
53	Evaluation of chalcones as inhibitors of glutathione Sâ€transferase. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22047.	3.0	52
54	Synthesis, molecular docking analysis and carbonic anhydrase I-II inhibitory evaluation of new sulfonamide derivatives. Bioorganic Chemistry, 2019, 91, 103153.	4.1	52

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55	Gadolinium-based contrast agents: in vitro paraoxonase 1 inhibition, in silico studies. Drug and Chemical Toxicology, 2021, 44, 508-517.	2.3	52
56	Synthesis and paroxonase activities of novel bromophenols. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 1073-1079.	5.2	51
57	The behavior of some chalcones on acetylcholinesterase and carbonic anhydrase activity. Drug and Chemical Toxicology, 2019, 42, 634-640.	2.3	51
58	Transitionâ€Metal Complexes of Bidentate Schiffâ€Base Ligands: In Vitro and In Silico Evaluation as Nonâ€Classical Carbonic Anhydrase and Potential Acetylcholinesterase Inhibitors. ChemistrySelect, 2021, 6, 7278-7284.	1.5	51
59	Inhibition behaviours of some phenolic acids on rat kidney aldose reductase enzyme: anin vitrostudy. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 277-284.	5.2	50
60	The effects of some cephalosporins on acetylcholinesterase and glutathione S-transferase: an in vivo and in vitro study. Archives of Physiology and Biochemistry, 2019, 125, 235-243.	2.1	50
61	Some calcium-channel blockers: kinetic and in silico studies on paraoxonase-I. Journal of Biomolecular Structure and Dynamics, 2022, 40, 77-85.	3.5	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.	3.5	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.	0.9	50
64	The Influence of Some Nonsteroidal Anti-inflammatory Drugs on Metabolic Enzymes of Aldose Reductase, Sorbitol Dehydrogenase, and Î±-Glycosidase: a Perspective for Metabolic Disorders. Applied Biochemistry and Biotechnology, 2020, 190, 437-447.	2.9	49
65	Phenolic Compounds as Antioxidants: Carbonic Anhydrase Isoenzymes Inhibitors. Mini-Reviews in Medicinal Chemistry, 2013, 13, 408-430.	2.4	48
66	Inhibition effects of pesticides on glutathioneâ€Sâ€transferase enzyme activity of Van Lake fish liver. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22196.	3.0	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.	2.9	47
68	Mannich reaction derived novel boron complexes with amine-bis(phenolate) ligands: Synthesis, spectroscopy and in vitro/in silico biological studies. Journal of Organometallic Chemistry, 2020, 927, 121542.	1.8	46
69	Protective role of l-carnitine supplementation against exhaustive exercise induced oxidative stress in rats. European Journal of Pharmacology, 2011, 668, 407-413.	3.5	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.	1.5	45
71	Some drugs inhibit in vitro hydratase and esterase activities of human carbonic anhydrase-I and II. Pharmacological Reports, 2007, 59, 580-7.	3.3	45
72	Effects of some medical drugs on enzyme activities of carbonic anhydrase from human erythrocytes in vitro and from rat erythrocytes in vivo. Pharmacological Research, 2000, 42, 187-191.	7.1	44

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73	Effects of Some Metals on Carbonic Anhydrase from Brains of Rainbow Trout. Biological Trace Element Research, 2008, 123, 179-190.	3.5	44
74	Effect of some analgesics on Paraoxonase-1 purified from human serum. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 1034-1039.	5.2	44
75	Some cardiovascular therapeutics inhibit paraoxonase 1 (PON1) from human serum. European Journal of Pharmacology, 2010, 645, 135-142.	3.5	44
76	An Alternative Purification Method for Human Serum Paraoxonase 1 and its Interactions with Sulfonamides. Chemical Biology and Drug Design, 2010, 76, 552-558.	3.2	44
77	TheIn VitroandIn VivoInhibitory Effects of Some Sulfonamide Derivatives on Rainbow Trout (Oncorhynchus Mykiss) Erythrocyte Carbonic Anhydrase Activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2003, 18, 371-375.	5.2	43
78	Discovery of potent carbonic anhydrase, acetylcholinesterase, and butyrylcholinesterase enzymes inhibitors: The new amides and thiazolidine-4-ones synthesized on an acetophenone base. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21931.	3.0	43
79	Biological effects of bis-hydrazone compounds bearing isovanillin moiety on the aldose reductase. Bioorganic Chemistry, 2021, 117, 105473.	4.1	43
80	Phenolic compounds: The inhibition effect on polyol pathway enzymes. Chemico-Biological Interactions, 2017, 266, 47-55.	4.0	42
81	Design, synthesis, and biological activity of novel dithiocarbamateâ€methylsulfonyl hybrids as carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2022, 355, e2200132.	4.1	42
82	Risk assessment of pesticides and fungicides for acidâ€“base regulation and salt transport in rainbow trout tissues. Pesticide Biochemistry and Physiology, 2010, 97, 66-70.	3.6	41
83	Synthesis, biological evaluation, and in silico study of novel library sulfonates containing quinazolinâ€4(<scp>3H</scp>)â€one derivatives as potential aldose reductase inhibitors. Drug Development Research, 2021, , .	2.9	41
84	Some Anticancer Agents Act on Human Serum Paraoxonaseâ€1 to Reduce Its Activity. Chemical Biology and Drug Design, 2016, 88, 188-196.	3.2	40
85	In vivo changes in carbonic anhydrase activity and histopathology of gill and liver tissues after acute exposure to chlorpyrifos in rainbow trout. Arhiv Za Higijenu Rada I Toksikologiju, 2014, 65, 377-385.	0.7	37
86	Infection Medications: Assessment Inâ€Vitro Glutathione Sâ€Transferase Inhibition and Molecular Docking Study. ChemistrySelect, 2021, 6, 11915-11924.	1.5	35
87	An extensive research on aldose reductase inhibitory effects of new 4H-1,2,4-triazole derivatives. Journal of Molecular Structure, 2021, 1224, 129446.	3.6	34
88	Effects of Gentamicin Sulfate on Enzyme Activities of Carbonic Anhydrase from Human Erythrocytes in Vitro and from Rat Erythrocytes in Vivo.. Biological and Pharmaceutical Bulletin, 2002, 25, 966-969.	1.4	33
89	Carbonic anhydrase, obstructive sleep apnea and hypertension: Effects of intervention. Journal of Sleep Research, 2020, 29, e12956.	3.2	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. Chemico-Biological Interactions, 2021, 345, 109576.	4.0	33

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91	Facile synthesis and characterization of novel pyrazole-sulfonamides and their inhibition effects on human carbonic anhydrase isoenzymes. Bioorganic and Medicinal Chemistry, 2013, 21, 21-27.	3.0	32
92	Purification of glucose 6-phosphate dehydrogenase from Buffalo (Bubalus bubalis) erythrocytes and investigation of some kinetic properties. Protein Expression and Purification, 2003, 29, 304-310.	1.3	31
93	Purification and Some Kinetic Properties of Carbonic Anhydrase from Rainbow Trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Ove	0.9	29
94	Calcium Channel Blockers: The Effect of Glutathione Sâ€Transferase Enzyme Activity and Molecular Docking Studies. ChemistrySelect, 2021, 6, 11137-11143.	1.5	29
95	Inhibitory effects of some phenolic compounds on the activities of carbonic anhydrase: fromin vivotoex vivo. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1234-1240.	5.2	28
96	Purification and Biochemical Characterization of Phytase Enzyme from Lactobacillus coryniformis (MH121153). Molecular Biotechnology, 2018, 60, 783-790.	2.4	28
97	Some Antiâ€Inflammatory Agents Inhibit Esterase Activities of Human Carbonic Anhydrase Isoforms I and <scp>II</scp>: An In Vitro Study. Chemical Biology and Drug Design, 2015, 86, 857-863.	3.2	27
98	Inhibition properties of some flavonoids on carbonic anhydrase I and II isoenzymes purified from human erythrocytes. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21930.	3.0	27
99	Purification and Characterization of Glucose 6-phosphate Dehydrogenase from Sheep Erythrocytes and Inhibitory Effects of some Antibiotics on Enzyme Activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2002, 17, 271-277.	5.2	26
100	Effects of some anti-neoplastic drugs on sheep liver sorbitol dehydrogenase. Archives of Physiology and Biochemistry, 2012, 118, 244-252.	2.1	26
101	Carbonic anhydrase activity from the gilthead sea bream (Sparus aurata) liver: The toxicological effects of heavy metals. Environmental Toxicology and Pharmacology, 2013, 36, 514-521.	4.0	25
102	Glucose 6-phosphate dehydrogenase: in vitro and in vivo effects of dantrolene sodium. Polish Journal of Pharmacology, 2003, 55, 787-92.	0.3	24
103	Inhibitory effect of novel pyrazole carboxamide derivatives on human carbonic anhydrase enzyme. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 328-336.	5.2	23
104	Influence of Cobalt and Zinc Exposure on mRNA Expression Profiles of Metallothionein and Cytocrome P450 in Rainbow Trout. Biological Trace Element Research, 2011, 144, 781-789.	3.5	20
105	Methyl benzoate derivatives: in vitro Paraoxonase 1 inhibition and in silico studies. Journal of Biochemical and Molecular Toxicology, 2022, 36, .	3.0	20
106	Paraoxonase-1, an organophosphate detoxifier and cardioprotective enzyme, is inhibited by anesthetics: An in vitro and in vivo insight. Pesticide Biochemistry and Physiology, 2011, 101, 206-211.	3.6	19
107	Assessment of the inhibitory effects and molecular docking of some sulfonamides on human serum paraoxonase 1. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21950.	3.0	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. Bioorganic Chemistry, 2016, 68, 64-71.	4.1	18

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109	Mechanism of capsaicin inhibition of aldose reductase activity. Journal of Biochemical and Molecular Toxicology, 2017, 31, N/A.	3.0	18
110	AChE mRNA expression as a possible novel biomarker for the diagnosis of coronary artery disease and Alzheimerâ€™s disease, and its association with oxidative stress. Archives of Physiology and Biochemistry, 2022, 128, 352-359.	2.1	18
111	The impact of some phenolic compounds on serum acetylcholinesterase: kinetic analysis of an enzyme/inhibitor interaction and molecular docking study. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6515-6523.	3.5	18
112	Design, synthesis, and aldose reductase inhibitory effect of some novel carboxylic acid derivatives bearing 2-substituted-6-aryloxo-pyridazinone moiety. Journal of Molecular Structure, 2022, 1258, 132675.	3.6	18
113	Potent Inhibitory Effects of Some Phenolic Acids on Lactoperoxidase. Journal of Biochemical and Molecular Toxicology, 2016, 30, 533-538.	3.0	16
114	The toxicological impacts of some heavy metals on carbonic anhydrase from gilthead sea bream (Sparus aurata) gills. Environmental Toxicology and Pharmacology, 2015, 39, 825-832.	4.0	15
115	High enzymatic activity preservation of malate dehydrogenase immobilized in a Langmuirâ€“Blodgett film and its electrochemical biosensor application for malic acid detection. RSC Advances, 2016, 6, 79792-79797.	3.6	14
116	Phytase from Weissella halotolerans: purification, partial characterisation and the effect of some metals. International Journal of Food Properties, 0, , 1-11.	3.0	14
117	Kinetic Behaviour of Glucose 6-Phosphate Dehydrogenase and 6-Phosphogluconate Dehydrogenase in Different Tissues of Rainbow Trout (Oncorhynchus mykiss) Exposed to Non-Lethal Concentrations of Cadmium. Acta Veterinaria Brno, 2009, 78, 179-185.	0.5	14
118	Novel pyrazole-3,4-dicarboxamides bearing biologically active sulfonamide moiety as potential carbonic anhydrase inhibitors. Arabian Journal of Chemistry, 2019, 12, 2740-2748.	4.9	13
119	The interactions of cephalosporins on polyol pathway enzymes from sheep kidney. Archives of Physiology and Biochemistry, 2018, 124, 35-44.	2.1	12
120	In vitro effects of pesticide exposure on the activity of the paraoxonase-1 enzyme from sheep liver microsomes. Turkish Journal of Chemistry, 2014, 38, 512-520.	1.2	11
121	The impact of heavy metals on the activity of carbonic anhydrase from rainbow trout (Oncorhynchus mykiss) kidney. Toxicology and Industrial Health, 2012, 28, 296-305.	1.4	10
122	Carbonic Anhydrase Activities from the Rainbow Trout Lens Correspond to the Development of Acute Gas Bubble Disease. Journal of Aquatic Animal Health, 2011, 23, 134-139.	1.4	9
123	Purification of the phytase enzyme from Lactobacillus plantarum: The effect on pansy growth and macroâ€“micro element content. Biotechnology and Applied Biochemistry, 2021, 68, 1067-1075.	3.1	8
124	Synthesis, characterization and carbonic anhydrase I and II inhibitory evaluation of new sulfonamide derivatives bearing dithiocarbamate. European Journal of Medicinal Chemistry, 2020, 198, 112392.	5.5	7
125	Alcohol Dehydrogenase from Sheep Liver: Purification, Characterization and Impacts of Some Antibiotics. Journal of the Institute of Science and Technology, 2017, 7, 151-159.	0.9	7
126	Impact of antibacterial drugs on human serum paraoxonase-1 (hPON1) activity: an in vitro study. Asian Pacific Journal of Tropical Biomedicine, 2014, 4, 603-609.	1.2	6

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127	Influence of pesticide exposure on carbonic anhydrase II from sheep stomach. Toxicology and Industrial Health, 2015, 31, 823-830.	1.4	6
128	Are increased salivary carbonic anhydrase VI levels related to the amount of supragingival dental calculus formation and clinical periodontal scores?. Journal of Dental Sciences, 2015, 10, 123-127.	2.5	5
129	In vitro and in silico interactions of antiulcer, glucocorticoids and urological drugs on human carbonic anhydrase I and II isozymes. Biopharmaceutics and Drug Disposition, 2022, 43, 47-56.	1.9	4
130	Recombinant human carbonic anhydrase VII: Purification, characterization, inhibition, and molecular docking studies. Biotechnology and Applied Biochemistry, 2023, 70, 415-428.	3.1	4
131	Evaluation of Inhibition Effects of Some Cardiovascular Therapeutics on Human Erythrocyte Carbonic Anhydrase Isoenzymes. Bitlis Eren Ãœniversitesi Fen Bilimleri Dergisi, 0, , 90-97.	0.5	3
132	Purification and Characterization of Nitric Oxide Synthase from Bovine Kidney and Investigating Drug-Induced Toxicities of Some Antibiotics on the Enzyme Activity. Current Enzyme Inhibition, 2017, 13, .	0.4	0
133	The role of the Cellular Antioxidant Defense System on Oxidative Stress in Acute Appendicitis. Hacettepe Journal of Biology and Chemistry, 0, , .	0.9	0