

# Skr Beydemir

## List of Publications by Citations

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128  
papers

4,686  
citations

39  
h-index

60  
g-index

133  
ext. papers

5,797  
ext. citations

3.8  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
128	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
127	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
126	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
125	In vitro antioxidant properties of morphine. <i>Pharmacological Research</i> , <b>2004</b> , 49, 59-66	10.2	120
124	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
123	Antioxidant and Antiradical Properties of Selected Flavonoids and Phenolic Compounds. <i>Biochemistry Research International</i> , <b>2017</b> , 2017, 7616791	2.4	106
122	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
121	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
120	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
119	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
118	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
117	Synthesis, characterization, inhibition effects, and molecular docking studies as acetylcholinesterase, $\alpha$ -glucosidase, 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
116	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
115	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> , <b>2017</b> , 32, 1174-1182	5.6	67
114	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> , <b>2019</b> , 89, 103004	5.1	65
113	Phenolic Compounds as Antioxidants: Carbonic Anhydrase Isoenzymes Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2013</b> , 13, 408-430	3.2	63
112	Phenolic compounds inhibit the aldose reductase enzyme from the sheep kidney. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21936	3.4	62

111	Oxidative stress and mRNA expression of acetylcholinesterase in the leukocytes of ischemic patients. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 87, 561-567	7.5	61
110	Synthesis and bioactivity of several new hetaryl sulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 137-145	5.6	59
109	Effect of calcium channel blockers on paraoxonase-1 (PON1) activity and oxidative stress. <i>Pharmacological Reports</i> , <b>2014</b> , 66, 74-80	3.9	57
108	Changes in the anti-oxidant system in adult epilepsy patients receiving anti-epileptic drugs. <i>Archives of Physiology and Biochemistry</i> , <b>2015</b> , 121, 97-102	2.2	56
107	An approach to clarify the effect mechanism of glyphosate on body malformations during embryonic development of zebrafish ( <i>Danio rerio</i> ). <i>Chemosphere</i> , <b>2017</b> , 180, 77-85	8.4	55
106	Anti-diabetic Properties of Calcium Channel Blockers: Inhibition Effects on Aldose Reductase Enzyme Activity. <i>Applied Biochemistry and Biotechnology</i> , <b>2019</b> , 189, 318-329	3.2	52
105	Intravenous anesthetics inhibit human paraoxonase-1 (PON1) activity in vitro and in vivo. <i>Clinical Biochemistry</i> , <b>2008</b> , 41, 1384-90	3.5	52
104	In vitro inhibitory effects of palonosetron hydrochloride, bevacizumab and cyclophosphamide on purified paraoxonase-I (hPON1) from human serum. <i>Environmental Toxicology and Pharmacology</i> , <b>2016</b> , 42, 252-7	5.8	49
103	Purification, refolding, and characterization of recombinant human paraoxonase-1. <i>Turkish Journal of Chemistry</i> , <b>2015</b> , 39, 764-776	1	48
102	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> , <b>2015</b> , 30, 622-8	5.6	48
101	Synthesis and paroxonase activities of novel bromophenols. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 1073-9	5.6	46
100	Evaluation of the impacts of antibiotic drugs on PON 1; a major bioscavenger against cardiovascular diseases. <i>European Journal of Pharmacology</i> , <b>2009</b> , 617, 84-9	5.3	45
99	Purification of PON1 from human serum and assessment of enzyme kinetics against metal toxicity. <i>Biological Trace Element Research</i> , <b>2010</b> , 135, 112-20	4.5	45
98	Benzenesulfonamide derivatives containing imine and amine groups: Inhibition on human paraoxonase and molecular docking studies. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 146, 1111-1123	7.9	44
97	New Isoindole-1,3-dione Substituted Sulfonamides as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase: Design, Synthesis, and Biological Evaluation. <i>ChemistrySelect</i> , <b>2019</b> , 4, 13347-13355 <sup>1.8</sup>	1.8	43
96	Antiepileptic drugs: Impacts on human serum paraoxonase-1. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21889	3.4	42
95	An alternative purification method for human serum paraoxonase 1 and its interactions with sulfonamides. <i>Chemical Biology and Drug Design</i> , <b>2010</b> , 76, 552-8	2.9	42
94	Gadolinium-based contrast agents: paraoxonase 1 inhibition, studies. <i>Drug and Chemical Toxicology</i> , <b>2021</b> , 44, 508-517	2.3	41

93	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> , <b>2015</b> , 111, 206-14	7	41
92	Synthesis, characterisation, biological evaluation and studies of sulphonamide Schiff bases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2020</b> , 35, 950-962	5.6	41
91	Some drugs inhibit in vitro hydratase and esterase activities of human carbonic anhydrase-I and II. <i>Pharmacological Reports</i> , <b>2007</b> , 59, 580-7	3.9	41
90	Protective role of L-carnitine supplementation against exhaustive exercise induced oxidative stress in rats. <i>European Journal of Pharmacology</i> , <b>2011</b> , 668, 407-13	5.3	39
89	Some cardiovascular therapeutics inhibit paraoxonase 1 (PON1) from human serum. <i>European Journal of Pharmacology</i> , <b>2010</b> , 645, 135-42	5.3	39
88	Effects of some metals on carbonic anhydrase from brains of rainbow trout. <i>Biological Trace Element Research</i> , <b>2008</b> , 123, 179-90	4.5	39
87	Synthesis, characterization, biological evaluation, and in silico studies of novel 1,3-diaryltriazene-substituted sulfathiazole derivatives. <i>Archiv Der Pharmazie</i> , <b>2020</b> , 353, e2000102	4.3	38
86	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> , <b>2003</b> , 18, 371-5	5.6	38
85	Effects of some medical drugs on enzyme activities of carbonic anhydrase from human erythrocytes in vitro and from rat erythrocytes in vivo. <i>Pharmacological Research</i> , <b>2000</b> , 42, 187-191	10.2	38
84	Molecular docking and investigation of 4-(benzylideneamino)- and 4-(benzylamino)-benzenesulfonamide derivatives as potent AChE inhibitors. <i>Chemical Papers</i> , <b>2020</b> , 74, 1395-1405	1.9	38
83	Effect of some analgesics on paraoxonase-1 purified from human serum. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2009</b> , 24, 1034-9	5.6	37
82	Sulfonamides incorporating ketene N,S-acetal bioisosteres as potent carbonic anhydrase and acetylcholinesterase inhibitors. <i>Archiv Der Pharmazie</i> , <b>2020</b> , 353, e1900383	4.3	36
81	Inhibition of Human Serum Paraoxonase-I with Antimycotic Drugs: In Vitro and In Silico Studies. <i>Applied Biochemistry and Biotechnology</i> , <b>2020</b> , 190, 252-269	3.2	35
80	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> , <b>2017</b> , 31, e21931	3.4	34
79	Some Anticancer Agents Act on Human Serum Paraoxonase-1 to Reduce Its Activity. <i>Chemical Biology and Drug Design</i> , <b>2016</b> , 88, 188-96	2.9	34
78	In Vitro and In Silico Studies on the Toxic Effects of Antibacterial Drugs as Human Serum Paraoxonase 1 Inhibitor. <i>ChemistrySelect</i> , <b>2019</b> , 4, 9731-9736	1.8	34
77	Inhibitory Effects of Usnic and Carnosic Acid on Some Metabolic Enzymes: An In vitro Study. <i>Protein and Peptide Letters</i> , <b>2019</b> , 26, 364-370	1.9	34
76	Molecular Docking Studies and Inhibition Properties of Some Antineoplastic Agents against Paraoxonase-I. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2020</b> , 20, 887-896	2.2	34

75	Evaluation of chalcones as inhibitors of glutathione S-transferase. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22047	3-4	33
74	Synthesis, molecular docking analysis and carbonic anhydrase I-II inhibitory evaluation of new sulfonamide derivatives. <i>Bioorganic Chemistry</i> , <b>2019</b> , 91, 103153	5-1	33
73	Risk assessment of pesticides and fungicides for acid-base regulation and salt transport in rainbow trout tissues. <i>Pesticide Biochemistry and Physiology</i> , <b>2010</b> , 97, 66-70	4-9	33
72	Thiazolyl-pyrazoline derivatives: In vitro and in silico evaluation as potential acetylcholinesterase and carbonic anhydrase inhibitors. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 163, 1970-1988	7-9	33
71	Calcium channel blockers: molecular docking and inhibition studies on carbonic anhydrase I and II isoenzymes. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 1672-1680	3-6	33
70	The behavior of some chalcones on acetylcholinesterase and carbonic anhydrase activity. <i>Drug and Chemical Toxicology</i> , <b>2019</b> , 42, 634-640	2-3	32
69	Determination of the inhibition profiles of pyrazolyl-thiazole derivatives against aldose reductase and $\alpha$ -glucosidase and molecular docking studies. <i>Archiv Der Pharmazie</i> , <b>2020</b> , 353, e2000118	4-3	32
68	Inhibition effects of quinones on aldose reductase: Antidiabetic properties. <i>Environmental Toxicology and Pharmacology</i> , <b>2019</b> , 70, 103195	5-8	31
67	Phenolic compounds: The inhibition effect on polyol pathway enzymes. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 266, 47-55	5	30
66	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> , <b>2002</b> , 25, 966-9	2-3	30
65	Benzenesulfonamide derivatives as potent acetylcholinesterase, $\alpha$ -glucosidase, and glutathione S-transferase inhibitors: biological evaluation and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 5449-5460	3-6	29
64	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> , <b>2019</b> , 125, 235-243	2-2	29
63	The Influence of Some Nonsteroidal Anti-inflammatory Drugs on Metabolic Enzymes of Aldose Reductase, Sorbitol Dehydrogenase, and $\alpha$ -Glucosidase: a Perspective for Metabolic Disorders. <i>Applied Biochemistry and Biotechnology</i> , <b>2020</b> , 190, 437-447	3-2	29
62	Inhibition behaviours of some phenolic acids on rat kidney aldose reductase enzyme: an in vitro study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 277-284	5-6	28
61	Phenolic compounds as antioxidants: carbonic anhydrase isoenzymes inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2013</b> , 13, 408-30	3-2	28
60	Novel benzoic acid derivatives: Synthesis and biological evaluation as multitarget acetylcholinesterase and carbonic anhydrase inhibitors. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2000282	4-3	28
59	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> , <b>2016</b> , 31, 1234-40	5-6	26
58	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> , <b>2014</b> , 65, 377-85	1-7	26

57	Facile synthesis and characterization of novel pyrazole-sulfonamides and their inhibition effects on human carbonic anhydrase isoenzymes. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 21-7	3.4	26
56	Purification and some kinetic properties of carbonic anhydrase from rainbow trout ( <i>Oncorhynchus mykiss</i> ) liver and metal inhibition. <i>Protein and Peptide Letters</i> , <b>2008</b> , 15, 528-35	1.9	25
55	Inhibition effects of pesticides on glutathione-S-transferase enzyme activity of Van Lake fish liver. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2018</b> , 32, e22196	3.4	24
54	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> , <b>2003</b> , 29, 304-10	2	24
53	Design, synthesis, in vitro and in silico investigation of aldose reductase inhibitory effects of new thiazole-based compounds. <i>Bioorganic Chemistry</i> , <b>2020</b> , 102, 104110	5.1	24
52	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> , <b>2021</b> , 113, 105009	5.1	24
51	Effects of some anti-neoplastic drugs on sheep liver sorbitol dehydrogenase. <i>Archives of Physiology and Biochemistry</i> , <b>2012</b> , 118, 244-52	2.2	23
50	Mannich reaction derived novel boron complexes with amine-bis(phenolate) ligands: Synthesis, spectroscopy and in vitro/in silico biological studies. <i>Journal of Organometallic Chemistry</i> , <b>2020</b> , 927, 121542	2.3	23
49	Synthesis, Characterization, and Inhibition Study of Novel Substituted Phenylureido Sulfaguanidine Derivatives as $\alpha$ -Glycosidase and Cholinesterase Inhibitors. <i>Chemistry and Biodiversity</i> , <b>2021</b> , 18, e2000958 <sup>2-5</sup>	2.5	23
48	Glucose 6-phosphate dehydrogenase: in vitro and in vivo effects of dantrolene sodium. <i>Polish Journal of Pharmacology</i> , <b>2003</b> , 55, 787-92		23
47	Some Anti-Inflammatory Agents Inhibit Esterase Activities of Human Carbonic Anhydrase Isoforms I and II: An In Vitro Study. <i>Chemical Biology and Drug Design</i> , <b>2015</b> , 86, 857-63	2.9	22
46	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> , <b>2020</b> , 27, 10607-10616	5.1	22
45	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> , <b>2002</b> , 17, 271-7	5.6	22
44	Inhibition properties of some flavonoids on carbonic anhydrase I and II isoenzymes purified from human erythrocytes. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21930	3.4	21
43	Inhibitory effect of novel pyrazole carboxamide derivatives on human carbonic anhydrase enzyme. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 328-36	5.6	21
42	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> , <b>2013</b> , 36, 514-521	5.8	20
41	Some calcium-channel blockers: kinetic and studies on paraoxonase-I. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-9	3.6	20
40	A new series of 2,4-thiazolidinediones endowed with potent aldose reductase inhibitory activity. <i>Open Chemistry</i> , <b>2021</b> , 19, 347-357	1.6	20



39	Carbonic anhydrase, obstructive sleep apnea and hypertension: Effects of intervention. <i>Journal of Sleep Research</i> , <b>2020</b> , 29, e12956	5.8	19
38	Purification and Biochemical Characterization of Phytase Enzyme from <i>Lactobacillus coryniformis</i> (MH121153). <i>Molecular Biotechnology</i> , <b>2018</b> , 60, 783-790	3	19
37	Influence of cobalt and zinc exposure on mRNA expression profiles of metallothionein and cytochrome P450 in rainbow trout. <i>Biological Trace Element Research</i> , <b>2011</b> , 144, 781-9	4.5	18
36	Assessment of the inhibitory effects and molecular docking of some sulfonamides on human serum paraoxonase 1. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, e21950	3.4	16
35	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> , <b>2011</b> , 101, 206-211	4.9	15
34	An extensive research on aldose reductase inhibitory effects of new 4H-1,2,4-triazole derivatives. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1224, 129446	3.4	15
33	Transition-Metal Complexes of Bidentate Schiff-Base Ligands: In Vitro and In Silico Evaluation as Non-Classical Carbonic Anhydrase and Potential Acetylcholinesterase Inhibitors. <i>ChemistrySelect</i> , <b>2021</b> , 6, 7278-7284	1.8	15
32	Novel inhibitors with sulfamethazine backbone: synthesis and biological study of multi-target cholinesterases and $\beta$ -glucosidase inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-13	3.6	14
31	Potent Inhibitory Effects of Some Phenolic Acids on Lactoperoxidase. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2016</b> , 30, 533-538	3.4	14
30	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> , <b>2016</b> , 68, 64-71	5.1	14
29	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> , <b>2015</b> , 39, 825-32	5.8	13
28	Mechanism of capsaicin inhibition of aldose reductase activity. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2017</b> , 31, N/A	3.4	12
27	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> , <b>2016</b> , 6, 79792-79797	3.7	12
26	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> , <b>2009</b> , 78, 179-185	0.8	12
25	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> , <b>2021</b> ,	5.1	12
24	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> , <b>2021</b> , 345, 109576	5	11
23	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> , <b>2012</b> , 28, 296-305	1.8	10
22	The interactions of cephalosporins on polyol pathway enzymes from sheep kidney. <i>Archives of Physiology and Biochemistry</i> , <b>2018</b> , 124, 35-44	2.2	10

21	In vitro effects of pesticide exposure on the activity of the paraoxonase-1 enzyme from sheep liver microsomes. <i>Turkish Journal of Chemistry</i> , <b>2014</b> , 38, 512-520	1	9
20	Molecular docking and inhibition studies of vulpinic, carnosic and usnic acids on polyol pathway enzymes. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-14	3.6	8
19	Carbonic anhydrase activities from the rainbow trout lens correspond to the development of acute gas bubble disease. <i>Journal of Aquatic Animal Health</i> , <b>2011</b> , 23, 134-9	2.6	7
18	Calcium Channel Blockers: The Effect of Glutathione S-Transferase Enzyme Activity and Molecular Docking Studies. <i>ChemistrySelect</i> , <b>2021</b> , 6, 11137-11143	1.8	7
17	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> , <b>2019</b> , 1-8	2.2	7
16	Novel pyrazole-3,4-dicarboxamides bearing biologically active sulfonamide moiety as potential carbonic anhydrase inhibitors. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 2740-2748	5.9	7
15	Novel metabolic enzyme inhibitors designed through the molecular hybridization of thiazole and pyrazoline scaffolds. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2100294	4.3	7
14	Phytase from <i>Weissella halotolerans</i> : purification, partial characterisation and the effect of some metals. <i>International Journal of Food Properties</i> , <b>2017</b> , 1-11	3	6
13	Infection Medications: Assessment In-Vitro Glutathione S-Transferase Inhibition and Molecular Docking Study. <i>ChemistrySelect</i> , <b>2021</b> , 6, 11915-11924	1.8	6
12	Alcohol Dehydrogenase from Sheep Liver: Purification, Characterization and Impacts of Some Antibiotics. <i>Journal of the Institute of Science and Technology</i> , <b>2017</b> , 7, 151-159	0	6
11	Influence of pesticide exposure on carbonic anhydrase II from sheep stomach. <i>Toxicology and Industrial Health</i> , <b>2015</b> , 31, 823-30	1.8	5
10	Biological effects of bis-hydrazone compounds bearing isovanillin moiety on the aldose reductase. <i>Bioorganic Chemistry</i> , <b>2021</b> , 117, 105473	5.1	5
9	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> , <b>2021</b> , 39, 6515-6523	3.6	5
8	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> , <b>2015</b> , 10, 123-127	2.5	4
7	Synthesis, characterization and carbonic anhydrase I and II inhibitory evaluation of new sulfonamide derivatives bearing dithiocarbamate. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 198, 112392	6.8	3
6	Impact of antibacterial drugs on human serum paraoxonase-1 (hPON1) activity: an in vitro study. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2014</b> , 4, 603-9	1.4	3
5	Design, synthesis, and biological activity of novel dithiocarbamate-methylsulfonyl hybrids as carbonic anhydrase inhibitors.. <i>Archiv Der Pharmazie</i> , <b>2022</b> , e2200132	4.3	3
4	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> , <b>2022</b> , 1	3.1	2



3	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> , <b>2022</b> , 1258, 132675 <sup>3,4</sup>		2
2	Evaluation of Inhibition Effects of Some Cardiovascular Therapeutics on Human Erythrocyte Carbonic Anhydrase Isoenzymes. <i>Bitlis Eren Üniversitesi Fen Bilimleri Dergisi</i> , 90-97	0.1	1
1	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> , <b>2021</b> , 68, 1067-1075	2.8	0