

Fikret TÃ¼rkkan

List of Publications by Year in descending order

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301
papers

26,485
citations

3919

88
h-index

8370

147
g-index

301
all docs

301
docs citations

301
times ranked

15877
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant and radical scavenging properties of curcumin. <i>Chemico-Biological Interactions</i> , 2008, 174, 27-37.	1.7	1,410
2	Antioxidant activity of food constituents: an overview. <i>Archives of Toxicology</i> , 2012, 86, 345-391.	1.9	1,198
3	Antioxidants and antioxidant methods: an updated overview. <i>Archives of Toxicology</i> , 2020, 94, 651-715.	1.9	949
4	Antioxidant activity of caffeic acid (3,4-dihydroxycinnamic acid). <i>Toxicology</i> , 2006, 217, 213-220.	2.0	875
5	Antioxidant and antiradical activities of l-carnitine. <i>Life Sciences</i> , 2006, 78, 803-811.	2.0	773
6	Radical scavenging and antioxidant activity of tannic acid. <i>Arabian Journal of Chemistry</i> , 2010, 3, 43-53.	2.3	657
7	Antioxidant properties of resveratrol: A structure-activity insight. <i>Innovative Food Science and Emerging Technologies</i> , 2010, 11, 210-218.	2.7	647
8	Antioxidant, antimicrobial, antiulcer and analgesic activities of nettle (<i>Urtica dioica</i> L.). <i>Journal of Ethnopharmacology</i> , 2004, 90, 205-215.	2.0	619
9	Polyphenol contents and antioxidant activity of lyophilized aqueous extract of propolis from Erzurum, Turkey. <i>Food and Chemical Toxicology</i> , 2010, 48, 2227-2238.	1.8	331
10	Antioxidant activity of clove oil - A powerful antioxidant source. <i>Arabian Journal of Chemistry</i> , 2012, 5, 489-499.	2.3	312
11	Polyphenol contents and in vitro antioxidant activities of lyophilised aqueous extract of kiwifruit (<i>Actinidia deliciosa</i>). <i>Food Research International</i> , 2011, 44, 1482-1489.	2.9	277
12	Antioxidant activity of l-adrenaline: A structure-activity insight. <i>Chemico-Biological Interactions</i> , 2009, 179, 71-80.	1.7	228
13	LC-MS/MS analysis, antioxidant and anticholinergic properties of galanga (<i>Alpinia officinarum</i> Hance) rhizomes. <i>Industrial Crops and Products</i> , 2015, 74, 712-721.	2.5	219
14	Carbonic anhydrase inhibitors. Inhibition of human erythrocyte isozymes I and II with a series of antioxidant phenols. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3207-3211.	1.4	207
15	Carbonic anhydrase inhibitors. Inhibition of mammalian isoforms I-XIV with a series of natural product polyphenols and phenolic acids. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2159-2164.	1.4	204
16	Antioxidant and anticholinergic properties of olivetol. <i>Journal of Food Biochemistry</i> , 2018, 42, e12516.	1.2	197
17	Antioxidant and analgesic activities of turpentine of <i>Pinus nigra</i> Arn. subsp. <i>pallsiana</i> (Lamb.) Holmboe. <i>Journal of Ethnopharmacology</i> , 2003, 86, 51-58.	2.0	187
18	Synthesis and Carbonic Anhydrase Isoenzymes I, II, IX, and XII Inhibitory Effects of Dimethoxybromophenol Derivatives Incorporating Cyclopropane Moieties. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 640-650.	2.9	187

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19	Antioxidant activity and polyphenol content of cherry stem (<i>Cerasus avium</i> L.) determined by LC-MS/MS. <i>Food Research International</i> , 2013, 51, 66-74.	2.9	186
20	Antidiabetic and antiparasitic potentials: Inhibition effects of some natural antioxidant compounds on α -glycosidase, α -amylase and human glutathione S-transferase enzymes. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 741-746.	3.6	179
21	Antioxidant and acetylcholinesterase inhibition properties of novel bromophenol derivatives. <i>Bioorganic Chemistry</i> , 2015, 60, 49-57.	2.0	177
22	Rosmarinic acid inhibits some metabolic enzymes including glutathione S-transferase, lactoperoxidase, acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase isoenzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1698-1702.	2.5	173
23	Caffeic acid phenethyl ester (CAPE): correlation of structure and antioxidant properties. <i>International Journal of Food Sciences and Nutrition</i> , 2011, 62, 821-825.	1.3	171
24	In Vitro Inhibition of Human Carbonic Anhydrase I and II Isozymes with Natural Phenolic Compounds. <i>Chemical Biology and Drug Design</i> , 2011, 77, 494-499.	1.5	170
25	In vitro inhibition of α -carbonic anhydrase isozymes by some phenolic compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4259-4262.	1.0	170
26	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
27	Discovery of sulfadrag-pyrrole conjugates as carbonic anhydrase and acetylcholinesterase inhibitors. <i>Archiv Der Pharmazie</i> , 2022, 355, e2100242.	2.1	156
28	Synthesis, biological evaluation and molecular docking of novel pyrazole derivatives as potent carbonic anhydrase and acetylcholinesterase inhibitors. <i>Bioorganic Chemistry</i> , 2019, 86, 420-427.	2.0	153
29	Synthesis, Antioxidant, and Antiacetylcholinesterase Activities of Sulfonamide Derivatives of Dopamine-related Compounds. <i>Archiv Der Pharmazie</i> , 2013, 346, 783-792.	2.1	152
30	Carbonic anhydrase inhibitors. Antioxidant polyphenols effectively inhibit mammalian isoforms α -XV. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5050-5053.	1.0	151
31	Anticholinergic and antioxidant activities of usnic acid-an activity-structure insight. <i>Toxicology Reports</i> , 2019, 6, 1273-1280.	1.6	146
32	Synthesis and biological evaluation of novel tris-chalcones as potent carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase and α -glycosidase inhibitors. <i>Bioorganic Chemistry</i> , 2019, 85, 191-197.	2.0	145
33	N-Acylsulfonamides strongly inhibit human carbonic anhydrase isoenzymes I and II. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2598-2605.	1.4	142
34	The effect of caffeic acid phenethyl ester (CAPE) on metabolic enzymes including acetylcholinesterase, butyrylcholinesterase, glutathione S-transferase, lactoperoxidase, and carbonic anhydrase isoenzymes I, II, IX, and XII. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1095-1101.	2.5	142
35	Antioxidant activity of lignans from fringe tree (<i>Chionanthus virginicus</i> L.). <i>European Food Research and Technology</i> , 2006, 223, 759-767.	1.6	137
36	Discovery of potent carbonic anhydrase and acetylcholine esterase inhibitors: Novel sulfamoylcarbarnates and sulfamides derived from acetophenones. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3592-3602.	1.4	137

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37	Capsaicin: A Potent Inhibitor of Carbonic Anhydrase Isoenzymes. <i>Molecules</i> , 2014, 19, 10103-10114.	1.7	136
38	Rosmarinic acid: a potent carbonic anhydrase isoenzymes inhibitor. <i>Turkish Journal of Chemistry</i> , 2014, 38, 894-902.	0.5	132
39	Novel 2-aminopyridine liganded Pd(II) N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure and bioactivity properties. <i>Bioorganic Chemistry</i> , 2019, 91, 103134.	2.0	132
40	Acetylcholinesterase and carbonic anhydrase inhibitory properties of novel urea and sulfamide derivatives incorporating dopaminergic 2-aminotetralin scaffolds. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 2318-2329.	1.4	131
41	Purification and characterization of the carbonic anhydrase enzyme from Black Sea trout (<i>Salmo trutta</i>) Tj ETQq1 1 0.784314 rgBT /Overlook <i>Environmental Toxicology and Pharmacology</i> , 2016, 44, 134-139.	2.0	130
42	The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α -glucosidase enzymes: An antidiabetic, anticholinergic, and antiepileptic study. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21995.	1.4	130
43	Synthesis of chalcone-imide derivatives and investigation of their anticancer and antimicrobial activities, carbonic anhydrase and acetylcholinesterase enzymes inhibition profiles. <i>Archives of Physiology and Biochemistry</i> , 2018, 124, 61-68.	1.0	129
44	Phytochemical content, antioxidant activity, and enzyme inhibition effect of <i>Salvia eriophora</i> Boiss. & Kotschy against acetylcholinesterase, α -amylase, butyrylcholinesterase, and α -glucosidase enzymes. <i>Journal of Food Biochemistry</i> , 2019, 43, e12776.	1.2	128
45	The first synthesis, carbonic anhydrase inhibition and anticholinergic activities of some bromophenol derivatives with S including natural products. <i>Bioorganic Chemistry</i> , 2019, 85, 128-139.	2.0	127
46	Antioxidant Activity, Acetylcholinesterase, and Carbonic Anhydrase Inhibitory Properties of Novel Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , 2016, 349, 944-954.	2.1	125
47	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
48	Synthesis of diaryl ethers with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 79-85.	2.5	125
49	Inhibitory effects of isatin Mannich bases on carbonic anhydrases, acetylcholinesterase, and butyrylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1498-1501.	2.5	125
50	The effects of hesperidin on sodium arsenite-induced different organ toxicity in rats on metabolic enzymes as antidiabetic and anticholinergics potentials: A biochemical approach. <i>Journal of Food Biochemistry</i> , 2019, 43, e12720.	1.2	125
51	Synthesis, characterization, inhibition effects, and molecular docking studies as acetylcholinesterase, α -glucosidase, and carbonic anhydrase inhibitors of novel benzenesulfonamides incorporating 1,3,5-triazine structural motifs. <i>Bioorganic Chemistry</i> , 2020, 100, 103897.	2.0	125
52	Antioxidant activity and polyphenol content of Turkish thyme (<i>Thymus vulgaris</i>) monitored by liquid chromatography and tandem mass spectrometry. <i>International Journal of Food Properties</i> , 2017, 20, 514-525.	1.3	123
53	Novel antioxidant bromophenols with acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase inhibitory actions. <i>Bioorganic Chemistry</i> , 2017, 74, 104-114.	2.0	121
54	2-Hydroxyethyl substituted NHC precursors: Synthesis, characterization, crystal structure and carbonic anhydrase, α -glucosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. <i>Journal of Molecular Structure</i> , 2018, 1155, 797-806.	1.8	121

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55	Morphine Inhibits Erythrocyte Carbonic Anhydrase in Vitro and in Vivo. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 2257-2261.	0.6	120
56	Measurement of antioxidant ability of melatonin and serotonin by the DMPD and CUPRAC methods as trolox equivalent. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 871-876.	2.5	120
57	Synthesis and carbonic anhydrase inhibitory properties of sulfamides structurally related to dopamine. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2925-2931.	1.4	120
58	Novel Sulphamides and Sulphonamides Incorporating the Tetralin Scaffold as Carbonic Anhydrase and Acetylcholine Esterase Inhibitors. <i>Archiv Der Pharmazie</i> , 2014, 347, 68-76.	2.1	120
59	The first synthesis of 4-phenylbutenone derivative bromophenols including natural products and their inhibition profiles for carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase enzymes. <i>Bioorganic Chemistry</i> , 2017, 72, 359-366.	2.0	118
60	The antioxidant activity of a triterpenoid glycoside isolated from the berries of <i>Hedera colchica</i> : 3-O-(β -D-glucopyranosyl)-hederagenin. <i>Phytotherapy Research</i> , 2006, 20, 130-134.	2.8	117
61	Antioxidant secoiridoids from fringe tree (<i>Chionanthus virginicus</i> L.). <i>Wood Science and Technology</i> , 2009, 43, 195-212.	1.4	117
62	(3,4-Dihydroxyphenyl)(2,3,4-trihydroxyphenyl)methanone and its derivatives as carbonic anhydrase isoenzymes inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 402-406.	2.5	117
63	Synthesis, characterization, crystal structure, electrochemical studies and biological evaluation of metal complexes with thiosemicarbazone of glyoxylic acid. <i>Polyhedron</i> , 2018, 155, 25-33.	1.0	117
64	Investigation of inhibitory properties of some hydrazone compounds on hCA I, hCA II and AChE enzymes. <i>Bioorganic Chemistry</i> , 2019, 86, 316-321.	2.0	117
65	Carbonic anhydrase and acetylcholinesterase inhibitory effects of carbamates and sulfamoylcarbamates. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 316-320.	2.5	116
66	Synthesis, molecular modeling, and biological evaluation of 4-(3-arylamino-2-thiophenyl)-5-dihydro-1H-pyrazol-1-yl benzenesulfonamides toward acetylcholinesterase, carbonic anhydrase I and II enzymes. <i>Chemical Biology and Drug Design</i> , 2018, 91, 854-866.	1.5	116
67	Novel sulfamides as potential carbonic anhydrase isoenzymes inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1379-1385.	1.4	115
68	Carbonic anhydrase inhibitory properties of novel benzylsulfamides using molecular modeling and experimental studies. <i>Bioorganic Chemistry</i> , 2014, 56, 75-82.	2.0	113
69	Synthesis and bioactivity studies on new 4-(3-(4-Substitutedphenyl)-3a,4-dihydro-3H-indeno[1,2-c]pyrazol-2-yl) benzenesulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1619-1624.	2.5	113
70	Synephrine and phenylephrine act as α -amylase, α -glucosidase, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase enzymes inhibitors. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21973.	1.4	111
71	Novel thymol bearing oxypropanolamine derivatives as potent some metabolic enzyme inhibitors Their antidiabetic, anticholinergic and antibacterial potentials. <i>Bioorganic Chemistry</i> , 2018, 81, 119-126.	2.0	111
72	Sildenafil is a strong activator of mammalian carbonic anhydrase isoforms XIV. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5791-5795.	1.4	110

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73	Oxidation of cyanobenzocycloheptatrienes: Synthesis, photooxygenation reaction and carbonic anhydrase isoenzymes inhibition properties of some new benzotropone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3537-3543.	1.4	110
74	Synthesis, characterization, crystal structure of novel bis-thiomethylcyclohexanone derivatives and their inhibitory properties against some metabolic enzymes. <i>Bioorganic Chemistry</i> , 2019, 82, 393-404.	2.0	110
75	Metal Ions, Metal Chelators and Metal Chelating Assay as Antioxidant Method. <i>Processes</i> , 2022, 10, 132.	1.3	110
76	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
77	Synthesis and antioxidant properties of diphenylmethane derivative bromophenols including a natural product. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010, 25, 685-695.	2.5	109
78	Synthesis and bioactivities of pyrazoline benzensulfonamides as carbonic anhydrase and acetylcholinesterase inhibitors with low cytotoxicity. <i>Bioorganic Chemistry</i> , 2019, 84, 511-517.	2.0	108
79	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
80	Antidiabetic potential: <i>in vitro</i> inhibition effects of some natural phenolic compounds on α -glucosidase and α -amylase enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21956.	1.4	106
81	Sulfonamide inhibitors: a patent review 2013-present. <i>Expert Opinion on Therapeutic Patents</i> , 2018, 28, 541-549.	2.4	105
82	Antioxidant Activity of Two Wild Edible Mushrooms (<i>Morchella vulgaris</i> and <i>Morchella esculanta</i>) from North Turkey. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2006, 9, 443-448.	0.6	104
83	Synthesis of some tetrahydropyrimidine-5-carboxylates, determination of their metal chelating effects and inhibition profiles against acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1531-1539.	2.5	101
84	The antidiabetic and anticholinergic effects of chrysin on cyclophosphamide-induced multiple organ toxicity in rats: Pharmacological evaluation of some metabolic enzyme activities. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019, 33, e22313.	1.4	101
85	Novel eugenol derivatives: Potent acetylcholinesterase and carbonic anhydrase inhibitors. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 845-851.	3.6	100
86	Synthesis and Antioxidant Properties of (3,4-dihydroxyphenyl)(2,3,4-trihydroxyphenyl)methanone and Its Derivatives. <i>Archiv Der Pharmazie</i> , 2012, 345, 323-334.	2.1	99
87	The impact of hydroquinone on acetylcholine esterase and certain human carbonic anhydrase isoenzymes (hCA I, II, IX, and XII). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 941-946.	2.5	96
88	Synthesis, carbonic anhydrase I and II inhibition studies of the 1,3,5-trisubstituted-pyrazolines. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 189-192.	2.5	93
89	The synthesis of some β -lactams and investigation of their metal-chelating activity, carbonic anhydrase and acetylcholinesterase inhibition profiles. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 79-88.	2.5	92
90	Acetylcholinesterase and carbonic anhydrase isoenzymes I and II inhibition profiles of taxifolin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1-7.	2.5	91

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91	The human carbonic anhydrase isoenzymes I and II (hCA I and II) inhibition effects of trimethoxyindane derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 152-157.	2.5	90
92	The effects of some bromophenols on human carbonic anhydrase isoenzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 603-607.	2.5	90
93	Synthesis, characterization, anticancer, antimicrobial and carbonic anhydrase inhibition profiles of novel (3a R, 4 S, 7 R, 7a S)-2-(4-((E)-3-(3-aryl)acryloyl)) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (phenyl)-3a,4,7,7a-tetra 2.0 2017, 70, 118-125.	2.0	89
94	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
95	Synthesis and Carbonic Anhydrase Inhibitory Effects of Novel Sulfamides Derived from 1-aminoindanes and Anilines. <i>Archiv Der Pharmazie</i> , 2014, 347, 950-957.	2.1	83
96	Novel eugenol bearing oxypropanolamines: Synthesis, characterization, antibacterial, antidiabetic, and anticholinergic potentials. <i>Bioorganic Chemistry</i> , 2019, 88, 102931.	2.0	83
97	Anti-Alzheimer, antidiabetic and antioxidant potential of <i>Satureja cuneifolia</i> and analysis of its phenolic contents by LC-MS/MS. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4528-4537.	2.3	83
98	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
99	Synthesis of some novel pyridine compounds containing bis-1,2,4-triazole/thiosemicarbazide moiety and investigation of their antioxidant properties, carbonic anhydrase, and acetylcholinesterase enzymes inhibition profiles. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22006.	1.4	81
100	The Protective Effects of p-Coumaric Acid on Acute Liver and Kidney Damages Induced by Cisplatin. <i>Biomedicines</i> , 2017, 5, 18.	1.4	80
101	Chrysin Protects Rat Kidney from Paracetamol-Induced Oxidative Stress, Inflammation, Apoptosis, and Autophagy: A Multi-Biomarker Approach. <i>Scientia Pharmaceutica</i> , 2017, 85, 4.	0.7	79
102	Synthesis and biological evaluation of phloroglucinol derivatives possessing α -glycosidase, acetylcholinesterase, butyrylcholinesterase, carbonic anhydrase inhibitory activity. <i>Archiv Der Pharmazie</i> , 2018, 351, 1700314.	2.1	79
103	Antidiabetic properties of dietary phenolic compounds: Inhibition effects on α -amylase, aldose reductase, and α -glycosidase. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 781-786.	1.4	79
104	Synthesis and characterization of novel bromophenols: Determination of their anticholinergic, antidiabetic and antioxidant activities. <i>Bioorganic Chemistry</i> , 2019, 87, 91-102.	2.0	78
105	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
106	Synthesis and biological evaluation of bromophenol derivatives with cyclopropyl moiety: Ring opening of cyclopropane with monoester. <i>Bioorganic Chemistry</i> , 2019, 89, 103017.	2.0	77
107	Novel NHC Precursors: Synthesis, Characterization, and Carbonic Anhydrase and Acetylcholinesterase Inhibitory Properties. <i>Archiv Der Pharmazie</i> , 2017, 350, e201700045.	2.1	75
108	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

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109	Mono- or di-substituted imidazole derivatives for inhibition of acetylcholine and butyrylcholine esterases. <i>Bioorganic Chemistry</i> , 2019, 86, 187-196.	2.0	74
110	ICP-MS and HPLC analyses, enzyme inhibition and antioxidant potential of <i>Achillea schischkinii</i> Sosn.. <i>Bioorganic Chemistry</i> , 2020, 94, 103333.	2.0	74
111	Assessment of Antimicrobial and Antioxidant Activities of <i>Nepeta trachonitica</i> : Analysis of Its Phenolic Compounds Using HPLC-MS/MS. <i>Scientia Pharmaceutica</i> , 2017, 85, 24.	0.7	72
112	Synthesis and discovery of potent carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α -glucosidase enzymes inhibitors: The novel <i>N,N</i> -bis(cyanomethylamine) and alkoxymethylamine derivatives. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22042.	1.4	72
113	Synthesis, characterization and crystal structure of 2-(4-hydroxyphenyl)ethyl and 2-(4-nitrophenyl)ethyl Substituted Benzimidazole Bromide Salts: Their inhibitory properties against carbonic anhydrase and acetylcholinesterase. <i>Journal of Molecular Structure</i> , 2018, 1170, 160-169.	1.8	72
114	The green synthesis and molecular docking of novel N-substituted rhodanines as effective inhibitors for carbonic anhydrase and acetylcholinesterase enzymes. <i>Bioorganic Chemistry</i> , 2019, 90, 103096.	2.0	71
115	Sage (<i>Salvia pilifera</i>): determination of its polyphenol contents, anticholinergic, antidiabetic and antioxidant activities. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 2062-2074.	1.6	70
116	Novel morpholine liganded Pd-based N-heterocyclic carbene complexes: Synthesis, characterization, crystal structure, antidiabetic and anticholinergic properties. <i>Polyhedron</i> , 2019, 159, 345-354.	1.0	69
117	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
118	Synthesis and inhibition profiles of N-benzyl- and N-allyl aniline derivatives against carbonic anhydrase and acetylcholinesterase – A molecular docking study. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103645.	2.3	69
119	Novel Benzylic Substituted Imidazolium, Tetrahydropyrimidinium and Tetrahydrodiazepinium Salts: Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors. <i>ChemistrySelect</i> , 2018, 3, 7976-7982.	0.7	68
120	Measurement of anticancer, antidiabetic and anticholinergic properties of sumac (<i>Rhus coriaria</i>): analysis of its phenolic compounds by LC-MS/MS. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 1607-1619.	1.6	68
121	Potent Acetylcholinesterase Inhibitors: Potential Drugs for Alzheimer's Disease. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020, 20, 703-715.	1.1	68
122	Synthesis and bioactivity of several new hetaryl sulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 137-145.	2.5	67
123	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
124	Phenolic Compounds as Antioxidants: Carbonic Anhydrase Isoenzymes Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 408-430.	1.1	67
125	Purification and Characterization of Polyphenol Oxidase from Hemlock Apple (<i>Malus</i>) Tj ETQq1 1 0.784314 rgBT Overlock 10 Tf 50	1.3	66
126	Discovery of Potent Carbonic Anhydrase and Acetylcholinesterase Inhibitors: 2-Aminoindan-1-Lactam Derivatives. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1736.	1.8	66

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127	Apoptotic, antioxidant and antiradical effects of majdine and isomajdine from <i>Vinca herbacea</i> Waldst. and kit. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2012, 27, 587-594.	2.5	65
128	The synthesis of novel sulfamides derived from \hat{I}^2 -benzylphenethylamines as acetylcholinesterase, butyrylcholinesterase and carbonic anhydrase enzymes inhibitors. <i>Bioorganic Chemistry</i> , 2017, 74, 238-250.	2.0	64
129	Synthesis, characterization, crystal structures, theoretical calculations and biological evaluations of novel substituted tacrine derivatives as cholinesterase and carbonic anhydrase enzymes inhibitors. <i>Journal of Molecular Structure</i> , 2019, 1175, 906-915.	1.8	64
130	The effects of zingerone against vancomycin-induced lung, liver, kidney and testis toxicity in rats: The behavior of some metabolic enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019, 33, e22381.	1.4	64
131	Acetylcholinesterase Inhibitory and Antioxidant Activities of Novel Symmetric Sulfamides Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , 2015, 348, 446-455.	2.1	63
132	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
133	Some pyrazoles derivatives: Potent carbonic anhydrase, \hat{I}^{\pm} -glycosidase, and cholinesterase enzymes inhibitors. <i>Archiv Der Pharmazie</i> , 2018, 351, e1800200.	2.1	62
134	<i>meta</i> -Cyanobenzyl substituted benzimidazolium salts: Synthesis, characterization, crystal structure and carbonic anhydrase, \hat{I}^{\pm} -glycosidase, butyrylcholinesterase, and acetylcholinesterase inhibitory properties. <i>Archiv Der Pharmazie</i> , 2018, 351, e1800029.	2.1	62
135	Novel <i>N</i> -propylphthalimide and 4-vinylbenzyl substituted benzimidazole salts: Synthesis, characterization, and determination of their metal chelating effects and inhibition profiles against acetylcholinesterase and carbonic anhydrase enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22009.	1.4	61
136	Novel tribenzylaminobenzolsulphonylimine based on their pyrazine and pyridazines: Synthesis, characterization, antidiabetic, anticancer, anticholinergic, and molecular docking studies. <i>Bioorganic Chemistry</i> , 2019, 93, 103313.	2.0	60
137	Synthesis, characterization, molecular docking and biological activities of novel pyrazoline derivatives. <i>Archiv Der Pharmazie</i> , 2019, 352, e1800359.	2.1	59
138	Synthesis, characterization, biological evaluation, and in silico studies of novel 1,3-diaryltriazene substituted sulfathiazole derivatives. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000102.	2.1	59
139	Synthesis of 4-(2-substituted hydrazinyl)benzenesulfonamides and their carbonic anhydrase inhibitory effects. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 568-573.	2.5	58
140	Carbonic anhydrase inhibitory properties of phenolic sulfonamides derived from dopamine related compounds. <i>Arabian Journal of Chemistry</i> , 2017, 10, 398-402.	2.3	58
141	New azafluorenones with cytotoxic and carbonic anhydrase inhibitory properties: 2-Aryl-4-(4-hydroxyphenyl)-5H-indeno[1,2-b]pyridin-5-ones. <i>Bioorganic Chemistry</i> , 2018, 81, 433-439.	2.0	58
142	Determination of the inhibition profiles of pyrazolyl-thiazole derivatives against aldose reductase and \hat{I}^{\pm} -glycosidase and molecular docking studies. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000118.	2.1	58
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146	Probing 4-(diethylamino)-salicylaldehyde-based thiosemicarbazones as multi-target directed ligands against cholinesterases, carbonic anhydrases and α -glucosidase enzymes. <i>Bioorganic Chemistry</i> , 2021, 107, 104554.	2.0	54
147	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
148	Synthesis and carbonic anhydrase isoenzymes I and II inhibitory effects of novel benzylamine derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 168-174.	2.5	53
149	Synthesis and investigation of the conversion reactions of pyrimidine α -thiones with nucleophilic reagent and evaluation of their acetylcholinesterase, carbonic anhydrase inhibition, and antioxidant activities. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22019.	1.4	53
150	Synthesis and biological evaluation of some new mono Mannich bases with piperazines as possible anticancer agents and carbonic anhydrase inhibitors. <i>Bioorganic Chemistry</i> , 2019, 90, 103095.	2.0	53
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153	The behavior of some chalcones on acetylcholinesterase and carbonic anhydrase activity. <i>Drug and Chemical Toxicology</i> , 2019, 42, 634-640.	1.2	51
154	The effects of some cephalosporins on acetylcholinesterase and glutathione S-transferase: an <i>in vivo</i> and <i>in vitro</i> study. <i>Archives of Physiology and Biochemistry</i> , 2019, 125, 235-243.	1.0	50
155	Synthesis, characterization, molecular docking, and biological activities of coumarin-1,2,3-triazole-acetamide hybrid derivatives. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000109.	2.1	50
156	Synthesis, crystal structure, and biological evaluation of optically active 2-amino-4-aryla-7,7-dimethyl-5-oxo-5,6,7,8-tetrahydro-4H-chromen-3-carbonitriles: Antiepileptic, antidiabetic, and anticholinergics potentials. <i>Archiv Der Pharmazie</i> , 2019, 352, e1800317.	2.1	49
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159	A class of sulfonamides as carbonic anhydrase I and II inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 180-188.	2.5	47
160	The effects of some avermectins on bovine carbonic anhydrase enzyme. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 773-778.	2.5	47
161	The effects of some antibiotics from cephalosporin groups on the acetylcholinesterase and butyrylcholinesterase enzymes activities in different tissues of rats. <i>Archives of Physiology and Biochemistry</i> , 2019, 125, 12-18.	1.0	47
162	Synthesis of 4-(3,4-dimethoxybenzyl)cyclopentyl-1,2-dimethoxybenzene Derivatives and Evaluations of Their Carbonic Anhydrase Isoenzymes Inhibitory Effects. <i>Chemical Biology and Drug Design</i> , 2016, 87, 594-607.	1.5	46

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164	New phenolic Mannich bases with piperazines and their bioactivities. <i>Bioorganic Chemistry</i> , 2019, 90, 103057.	2.0	45
165	A comparative study on the antioxidant effects of hesperidin and ellagic acid against skeletal muscle ischemia/reperfusion injury. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 114-118.	2.5	44
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171	The toxicological effects of some avermectins on goat liver carbonic anhydrase enzyme. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22010.	1.4	42
172	Novel amides of 1,1-bis(carboxymethylthio)acrylethanes: Synthesis, characterization, acetylcholinesterase, butyrylcholinesterase, and carbonic anhydrase inhibitory properties. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22191.	1.4	42
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175	Quercetin protects rat skeletal muscle from ischemia reperfusion injury. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 162-166.	2.5	41
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177	Synthesis and Carbonic Anhydrase Inhibition of Tetrabromo Chalcone Derivatives. <i>Archiv Der Pharmazie</i> , 2017, 350, 1700198.	2.1	41
178	Synthesis, carbonic anhydrase I and II isoenzymes inhibition properties, and antibacterial activities of novel tetralone-based 1,4-benzothiazepine derivatives. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21872.	1.4	41
179	Inhibition Effects of Some Lignans on Carbonic Anhydrase, Acetylcholinesterase and Butyrylcholinesterase Enzymes Leyla Polat K \ddot{u} se and \ddot{A} lhami G \ddot{u} l \ddot{a} sin. <i>Records of Natural Products</i> , 2017, , 558-561.	1.3	41
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182	Design, synthesis, characterization, enzymatic inhibition evaluations, and docking study of novel quinazolinone derivatives. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 1-12.	3.6	40
183	Synthesis of Some Novel Norbornene-Fused Pyridazines as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 2049-2056.	1.4	39
184	Synthesis and inhibitory properties of some carbamates on carbonic anhydrase and acetylcholine esterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1484-1491.	2.5	39
185	Synthesis and investigation of antibacterial activities and carbonic anhydrase and acetyl cholinesterase inhibition profiles of novel 4,5-dihydropyrazol and pyrazolyl-thiazole derivatives containing methanoisoindol-1,3-dion unit. <i>Synthetic Communications</i> , 2017, 47, 2313-2323.	1.1	39
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188	Cytotoxic effects, carbonic anhydrase isoenzymes, α -glycosidase and acetylcholinesterase inhibitory properties, and molecular docking studies of heteroatom-containing sulfonyl hydrazone derivatives. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 5539-5550.	2.0	38
189	Synthesis, characterization and bioactivities of dative donor ligand N-heterocyclic carbene (NHC) precursors and their Ag(I)NHC coordination compounds. <i>Polyhedron</i> , 2021, 193, 114866.	1.0	38
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191	Purification and characterization of the carbonic anhydrase enzyme from horse mackerel (<i>Trachurus</i>) Tj ETQq1 1 0.784314 rgBT /Over Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 226, 108605.	1.3	37
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194	Synthesis of novel α -amino carbonyl derivatives and their inhibition effects on some metabolic enzymes. <i>Journal of Molecular Structure</i> , 2020, 1204, 127453.	1.8	34
195	Novel amine-functionalized benzimidazolium salts: Synthesis, characterization, bioactivity, and molecular docking studies. <i>Journal of Molecular Structure</i> , 2020, 1207, 127802.	1.8	34
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199	Synthesis, biological activity and docking calculations of bis-naphthoquinone derivatives from Lawsone. <i>Bioorganic Chemistry</i> , 2021, 114, 105069.	2.0	33
200	9,10-Dibromo-N-arylo-9,10-dihydro-9,10-[3,4]epipyrroloanthracene-12,14-diones: Synthesis and Investigation of Their Effects on Carbonic Anhydrase Isozymes I, II, IX, and XII. <i>Archiv Der Pharmazie</i> , 2016, 349, 466-474.	2.1	32
201	Investigation of the effects of some sulfonamides on acetylcholinesterase and carbonic anhydrase enzymes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019, 33, e22300.	1.4	32
202	Design, synthesis, characterization, biological evaluation, and molecular docking studies of novel 1,2-aminopropanthiols substituted derivatives as selective carbonic anhydrase, acetylcholinesterase and Î±-glycosidase enzymes inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 236-248.	2.0	32
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207	Design, synthesis, <i>in vitro</i> and <i>in vivo</i> evaluation of novel pyrrolizine-based compounds with potential activity as cholinesterase inhibitors and anti-Alzheimer's agents. <i>Bioorganic Chemistry</i> , 2019, 93, 103312.	2.0	31
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212	Novel potential metabolic enzymes inhibitor, photosensitizer and antibacterial agents based on water-soluble phthalocyanine bearing imidazole derivative. <i>Journal of Molecular Structure</i> , 2021, 1237, 130402.	1.8	30
213	Synthesis and characterization of novel substituted thiophene derivatives and discovery of their carbonic anhydrase and acetylcholinesterase inhibition effects. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 33, e22261.	1.4	29
214	Spectroscopic and Structural Characterization, Enzyme Inhibitions, and Antioxidant Effects of New Ru(II) and Ni(II) Complexes of Schiff Base. <i>Chemistry and Biodiversity</i> , 2019, 16, e1900243.	1.0	29
215	Synthesis, characterization, biological evaluation, and molecular docking studies of some piperonyl-based 4-thiazolidinone derivatives. <i>Archiv Der Pharmazie</i> , 2020, 353, e1900304.	2.1	29
216	Synthesis, characterization, powder X-ray diffraction analysis, thermal stability, antioxidant properties and enzyme inhibitions of M(II)-Schiff base ligand complexes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 6480-6487.	2.0	29

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220	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
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222	Polyphenol Contents, Potential Antioxidant, Anticholinergic and Antidiabetic Properties of Mountain Mint (<i>Cyclotrichium leucotrichum</i>). <i>Chemistry and Biodiversity</i> , 2022, 19, .	1.0	27
223	Isolation of Some Phenolic Compounds from <i>Plantago subulata</i> L. and Determination of Their Antidiabetic, Anticholinesterase, Antiepileptic and Antioxidant Activity. <i>Chemistry and Biodiversity</i> , 2022, 19, .	1.0	27
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225	Design, synthesis, molecular docking, and some metabolic enzyme inhibition properties of novel quinazolinone derivatives. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000455.	2.1	25
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228	Purification of glutathione S-transferase enzyme from quail liver tissue and inhibition effects of (3 <i>R</i> ,4 <i>S</i> ,7 <i>R</i> ,7 <i>aS</i>)-2-(4-(<i>E</i> -(<i>aryl</i>)acryloyl)phenyl)-3,4,7,7-tetrahydro-1 <i>H</i> -4,7-dioxo-1 <i>H</i> -2 <i>H</i> -1,4-benzoxazine derivatives on the enzyme activity. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22034.	2.4	24
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233	A study on the effects of inhibition mechanism of curcumin, quercetin, and resveratrol on human glutathione reductase through <i>in vitro</i> and <i>in silico</i> approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1744-1753.	2.0	23
234	Cholinesterases, carbonic anhydrase inhibitory properties and <i>in silico</i> studies of novel substituted benzylamines derived from dihydrochalcones. <i>Computational Biology and Chemistry</i> , 2021, 94, 107565.	1.1	23

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236	Purification and characterization of glutathione S-transferase from blueberry fruits (<i>Vaccinium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 2019, 5, e01422.	1.4	22
237	Phthalocyanine complexes with (4-isopropylbenzyl)oxy substituents: preparation and evaluation of anti-carbonic anhydrase, anticholinesterase enzymes and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 733-741.	2.0	22
238	2-methylindole analogs as cholinesterases and glutathione S-transferase inhibitors: Synthesis, biological evaluation, molecular docking, and pharmacokinetic studies. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103449.	2.3	21
239	Pentafluorobenzyl-substituted benzimidazolium salts: Synthesis, characterization, crystal structures, computational studies and inhibitory properties of some metabolic enzymes. <i>Journal of Molecular Structure</i> , 2022, 1265, 133266.	1.8	21
240	Synthesis of 3-chloro-1-substituted aryl pyrrolidine-2,5-dione derivatives: discovery of potent human carbonic anhydrase inhibitors. <i>Medicinal Chemistry Research</i> , 2017, 26, 1619-1627.	1.1	20
241	Investigation of spectroscopic, thermal, and biological properties of FeII, CoII, ZnII, and RuII complexes derived from azo dye ligand. <i>Journal of Molecular Structure</i> , 2021, 1244, 130989.	1.8	20
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245	Synthesis, design, and assessment of novel morpholine-derived Mannich bases as multifunctional agents for the potential enzyme inhibitory properties including docking study. <i>Bioorganic Chemistry</i> , 2021, 107, 104524.	2.0	18
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