Andrea Angeli

List of Publications by Year
in descending order

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227	4,589	116194	252626
papers	citations	36 h-index	46 g-index

228	228	228	3385
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phenols from Origanum dictamnus L. and Thymus vulgaris L. and their activity against Malassezia globosa carbonic anhydrase. Natural Product Research, 2022, 36, 1558-1564.	1.0	11
2	Biochemical and structural characterization of beta-carbonic anhydrase from the parasite Trichomonas vaginalis. Journal of Molecular Medicine, 2022, 100, 115-124.	1.7	4
3	Design and development of novel series of indoleâ€3â€sulfonamide ureido derivatives as selective carbonic anhydrase II inhibitors. Archiv Der Pharmazie, 2022, 355, e2100333.	2.1	6
4	Novel benzenesulfonamideâ€bearing pyrazoles and 1,2,4â€thiadiazoles as selective carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2022, 355, e2100241.	2.1	11
5	Sultam based Carbonic Anhydrase VII inhibitors for the management of neuropathic pain. European Journal of Medicinal Chemistry, 2022, 227, 113956.	2.6	9
6	2-(2-Hydroxyethyl)piperazine derivatives as potent human carbonic anhydrase inhibitors: Synthesis, enzyme inhibition, computational studies and antiglaucoma activity. European Journal of Medicinal Chemistry, 2022, 228, 114026.	2.6	1
7	New Histamine-Related Five-Membered N-Heterocycle Derivatives as Carbonic Anhydrase I Activators. Molecules, 2022, 27, 545.	1.7	2
8	Design, synthesis and human carbonic anhydrase I, II, IX and XII inhibitory properties of 1,3-thiazole sulfonamides. Bioorganic and Medicinal Chemistry Letters, 2022, 59, 128581.	1.0	4
9	Identification of Novel and Potent Indole-Based Benzenesulfonamides as Selective Human Carbonic Anhydrase II Inhibitors: Design, Synthesis, In Vitro, and In Silico Studies. International Journal of Molecular Sciences, 2022, 23, 2540.	1.8	9
10	Inhibition of Schistosoma mansoni carbonic anhydrase by the antiparasitic drug clorsulon: X-ray crystallographic and in vitro studies. Acta Crystallographica Section D: Structural Biology, 2022, 78, 321-327.	1.1	8
11	Diversely substituted sulfamides for fragment-based drug discovery of carbonic anhydrase inhibitors: synthesis and inhibitory profile. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 857-865.	2.5	0
12	Biological investigation of N-methyl thiosemicarbazones as antimicrobial agents and bacterial carbonic anhydrases inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 986-993.	2.5	13
13	Selenocarbamates As a Prodrugâ€Based Approach to Carbonic Anhydrase Inhibition. ChemMedChem, 2022, 17, .	1.6	8
14	Pyrazolo[4,3-c]pyridine Sulfonamides as Carbonic Anhydrase Inhibitors: Synthesis, Biological and In Silico Studies. Pharmaceuticals, 2022, 15, 316.	1.7	9
15	4-Anilinoquinazoline-based benzenesulfonamides as nanomolar inhibitors of carbonic anhydrase isoforms I, II, IX, and XII: design, synthesis, in-vitro, and in-silico biological studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 994-1004.	2.5	9
16	Exploration of 2-phenylquinoline-4-carboxamide linked benzene sulfonamide derivatives as isoform selective inhibitors of transmembrane human carbonic anhydrases. European Journal of Medicinal Chemistry, 2022, 234, 114247.	2.6	7
17	Small Molecule Alkoxy Oriented Selectiveness on Human Carbonic Anhydrase II and IX Inhibition. ChemMedChem, 2022, 17, .	1.6	3
18	Benzoselenoates: A novel class of carbonic anhydrase inhibitors. Bioorganic Chemistry, 2022, 122, 105751.	2.0	2

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19	Tail-approach based design and synthesis of Arylthiazolylhydrazono-1,2,3-triazoles incorporating sulfanilamide and metanilamide as human carbonic anhydrase I, II, IV and IX inhibitors. Bioorganic Chemistry, 2022, 123, 105764.	2.0	11
20	Heterobimetallic complexes containing organometallic acylhydrazone ligands as potential inhibitors of human carbonic anhydrases. Journal of Inorganic Biochemistry, 2022, 232, 111814.	1.5	2
21	Novel 1,3,5-Triazinyl Aminobenzenesulfonamides Incorporating Aminoalcohol, Aminochalcone and Aminostilbene Structural Motifs as Potent Anti-VRE Agents, and Carbonic Anhydrases I, II, VII, IX, and XII Inhibitors. International Journal of Molecular Sciences, 2022, 23, 231.	1.8	5
22	One-Pot Procedure for the Synthesis of Asymmetric Substituted Ureido Benzene Sulfonamides as Effective Inhibitors of Carbonic Anhydrase Enzymes. Journal of Medicinal Chemistry, 2022, 65, 824-837.	2.9	8
23	Ureidosulfocoumarin Derivatives As Selective and Potent Carbonic Anhydrase IX and XII Inhibitors. ChemMedChem, 2022, 17, e202100725.	1.6	6
24	Heterologous expression and biochemical characterisation of the recombinant Î²-carbonic anhydrase (MpaCA) from the warm-blooded vertebrate pathogen malassezia pachydermatis. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 62-68.	2.5	8
25	Calixarenes Incorporating Sulfonamide Moieties: Versatile Ligands for Carbonic Anhydrases Inhibition. Chemistry - A European Journal, 2022, 28, .	1.7	3
26	Design, synthesis, SAR, and biological evaluation of saccharinâ€based hybrids as carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2022, , e2200019.	2.1	1
27	Synthesis of a new series of quinoline/pyridine indole-3-sulfonamide hybrids as selective carbonic anhydrase IX inhibitors. Bioorganic and Medicinal Chemistry Letters, 2022, 70, 128809.	1.0	7
28	Selective inhibition of carbonic anhydrase IX by sulphonylated 1,2,3-triazole incorporated benzenesulphonamides capable of inducing apoptosis. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1454-1463.	2.5	8
29	Development of Praziquantel sulphonamide derivatives as antischistosomal drugs. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1479-1494.	2.5	5
30	Inhibitors of Mitochondrial Human Carbonic Anhydrases VA and VB as a Therapeutic Strategy against Paclitaxel-Induced Neuropathic Pain in Mice. International Journal of Molecular Sciences, 2022, 23, 6229.	1.8	8
31	Synthesis and biological evaluation of sulfonamideâ€based compounds as inhibitors of carbonic anhydrase from Vibrio cholerae. Archiv Der Pharmazie, 2022, 355, .	2.1	3
32	Investigation of carbonic anhydrase inhibitory effects and cytotoxicities of pyrazole-based hybrids carrying hydrazone and zinc-binding benzenesulfonamide pharmacophores. Bioorganic Chemistry, 2022, 127, 105969.	2.0	10
33	Sulfonamide diuretic azosemide as an efficient carbonic anhydrase inhibitor. Journal of Molecular Structure, 2022, 1268, 133672.	1.8	6
34	Response to Perspectives on the Classical Enzyme Carbonic Anhydrase and the Search for Inhibitors. Biophysical Journal, 2021, 120, 178-181.	0.2	16
35	Activation of the Î²-carbonic anhydrase from the protozoan pathogen Trichomonas vaginalis with amines and amino acids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 758-763.	2.5	3
36	Dual Carbonic Anhydrase IX/XII Inhibitors and Carbon Monoxide Releasing Molecules Modulate LPS-Mediated Inflammation in Mouse Macrophages. Antioxidants, 2021, 10, 56.	2.2	16

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37	Carbonic anhydrase activation profile of indole-based derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1783-1797.	2.5	3
38	Handling drug-target selectivity: A study on ureido containing Carbonic Anhydrase inhibitors. European Journal of Medicinal Chemistry, 2021, 212, 113035.	2.6	10
39	Coumarinâ€thiourea Hybrids Show Potent Carbonic Anhydrase IX and XIII Inhibitory Action. ChemMedChem, 2021, 16, 1252-1256.	1.6	14
40	Discovery of a novel series of indolylchalcone-benzenesulfonamide hybrids acting as selective carbonic anhydrase II inhibitors. Bioorganic Chemistry, 2021, 108, 104647.	2.0	11
41	Multitargeting application of proline-derived peptidomimetics addressing cancer-related human matrix metalloproteinase 9 and carbonic anhydrase II. European Journal of Medicinal Chemistry, 2021, 214, 113260.	2.6	6
42	Discovery of Potent Carbonic Anhydrase Inhibitors as Effective Anticonvulsant Agents: Drug Design, Synthesis, and In Vitro and In Vivo Investigations. Journal of Medicinal Chemistry, 2021, 64, 3100-3114.	2.9	17
43	3-Functionalised benzenesulphonamide based 1,3,4-oxadiazoles as selective carbonic anhydrase XIII inhibitors: Design, synthesis and biological evaluation. Bioorganic and Medicinal Chemistry Letters, 2021, 37, 127856.	1.0	7
44	Synthesis and Biological Evaluation of Coumarin-Linked 4-Anilinomethyl-1,2,3-Triazoles as Potent Inhibitors of Carbonic Anhydrases IX and XIII Involved in Tumorigenesis. Metabolites, 2021, 11, 225.	1.3	8
45	Chromene-Containing Aromatic Sulfonamides with Carbonic Anhydrase Inhibitory Properties. International Journal of Molecular Sciences, 2021, 22, 5082.	1.8	6
46	Synthesis of Azasugarâ€“Sulfonamide conjugates and their Evaluation as Inhibitors of Carbonic Anhydrases: the Azasugar Approach to Selectivity. European Journal of Organic Chemistry, 2021, 2021, 2604-2614.	1.2	2
47	Synthesis and biological evaluation of novel 4,7-disubstituted coumarins as selective tumor-associated carbonic anhydrase IX and XII inhibitors. Bioorganic and Medicinal Chemistry Letters, 2021, 39, 127877.	1.0	12
48	Comprehensive study on potent and selective carbonic anhydrase inhibitors: Synthesis, bioactivities and molecular modelling studies of 4-(3-(2-arylidenehydrazine-1-carbonyl)-5-(thiophen-2-yl)-1H-pyrazole-1-yl) benzenesulfonamides. European Journal of Medicinal Chemistry, 2021, 217, 113351.	2.6	30
49	Quinoline-sulfamoyl carbamates/sulfamide derivatives: Synthesis, cytotoxicity, carbonic anhydrase activity, and molecular modelling studies. Bioorganic Chemistry, 2021, 110, 104778.	2.0	6
50	Taurultams incorporating arylsulfonamide: First inÂvitro inhibition studies of Î±-, Î²- and Î³-class Carbonic Anhydrases from Vibrio cholerae and Burkholderia pseudomallei. European Journal of Medicinal Chemistry, 2021, 219, 113444.	2.6	4
51	Structural Insights into Schistosoma mansoni Carbonic Anhydrase (SmCA) Inhibition by Selenoureido-Substituted Benzenesulfonamides. Journal of Medicinal Chemistry, 2021, 64, 10418-10428.	2.9	12
52	Synthesis of new 7â€aminoâ€3,4â€dihydroquinolinâ€2(1H)â€oneâ€peptide derivatives and their carbonic anhydrase enzyme inhibition, antioxidant, and cytotoxic activities. Archiv Der Pharmazie, 2021, 354, e2100122.	2.1	7
53	Mechanisms of the Antiproliferative and Antitumor Activity of Novel Telomeraseâ€“Carbonic Anhydrase Dual-Hybrid Inhibitors. Journal of Medicinal Chemistry, 2021, 64, 11432-11444.	2.9	5
54	Tellurides bearing benzensulfonamide as carbonic anhydrase inhibitors with potent antitumor activity. Bioorganic and Medicinal Chemistry Letters, 2021, 45, 128147.	1.0	7

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55	Inhibition studies on carbonic anhydrase isoforms I, II, IV and IX with N-arylsubstituted secondary sulfonamides featuring a bicyclic tetrahydroindazole scaffold. European Journal of Medicinal Chemistry, 2021, 220, 113490.	2.6	9
56	Design, synthesis and biochemical evaluation of novel carbonic anhydrase inhibitors triggered by structural knowledge on hCA VII. Bioorganic and Medicinal Chemistry, 2021, 44, 116279.	1.4	2
57	New Sulfanilamide Derivatives Incorporating Heterocyclic Carboxamide Moieties as Carbonic Anhydrase Inhibitors. Pharmaceuticals, 2021, 14, 828.	1.7	11
58	4â€Sulfamoylphenylalkylamides as Inhibitors of Carbonic Anhydrases Expressed in Vibrio cholerae. ChemMedChem, 2021, 16, 3787-3794.	1.6	5
59	Exploring of tumor-associated carbonic anhydrase isoenzyme IX and XII inhibitory effects and cytotoxicities of the novel N-aryl-1-(4-sulfamoylphenyl)-5-(thiophen-2-yl)-1H-pyrazole-3-carboxamides. Bioorganic Chemistry, 2021, 115, 105194.	2.0	15
60	Chalcogenides-incorporating carbonic anhydrase inhibitors concomitantly reverted oxaliplatin-induced neuropathy and enhanced antiproliferative action. European Journal of Medicinal Chemistry, 2021, 225, 113793.	2.6	23
61	Design, synthesis, and biological evaluation of selective hCA IX inhibitors. , 2021, , 63-78.		0
62	Selective inhibition of carbonic anhydrase IX and XII by coumarin and psoralen derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 685-692.	2.5	18
63	Reconsidering anion inhibitors in the general context of drug design studies of modulators of activity of the classical enzyme carbonic anhydrase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 561-580.	2.5	81
64	Inhibition of the Î²-carbonic anhydrase from the protozoan pathogen Trichomonas vaginalis with sulphonamides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 330-335.	2.5	4
65	Selective Inhibition of Helicobacter pylori Carbonic Anhydrases by Carvacrol and Thymol Could Impair Biofilm Production and the Release of Outer Membrane Vesicles. International Journal of Molecular Sciences, 2021, 22, 11583.	1.8	35
66	Carbonic Anhydrase Inhibition with Sulfonamides Incorporating Pyrazole- and Pyridazinecarboxamide Moieties Provides Examples of Isoform-Selective Inhibitors. Molecules, 2021, 26, 7023.	1.7	9
67	Inhibitory Effects of Sulfonamide Derivatives on the Î²-Carbonic Anhydrase (MpaCA) from Malassezia pachydermatis, a Commensal, Pathogenic Fungus Present in Domestic Animals. International Journal of Molecular Sciences, 2021, 22, 12601.	1.8	3
68	Glyco-Coated CdSe/ZnS Quantum Dots as Nanoprobes for Carbonic Anhydrase IX Imaging in Cancer Cells. ACS Applied Nano Materials, 2021, 4, 14153-14160.	2.4	11
69	Amine- and Amino Acid-Based Compounds as Carbonic Anhydrase Activators. Molecules, 2021, 26, 7331.	1.7	9
70	A structure-based approach towards the identification of novel antichagasic compounds: Trypanosoma cruzi carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 21-30.	2.5	13
71	Direct and straightforward access to substituted alkyl selenols as novel carbonic anhydrase inhibitors. European Journal of Medicinal Chemistry, 2020, 185, 111811.	2.6	28
72	Synthesis and human carbonic anhydrase I, II, VA, and XII inhibition with novel amino acidâ€“sulphonamide conjugates. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 489-497.	2.5	6

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73	Screening of benzenesulfonamide in combination with chemically diverse fragments against carbonic anhydrase by differential scanning fluorimetry. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 306-310.	2.5	5
74	Further validation of strecker-type Î±-aminonitriles as a new class of potent human carbonic anhydrase II inhibitors: hit expansion within the public domain using differential scanning fluorimetry leads to chemotype refinement. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 165-171.	2.5	4
75	Synthesis and biological evaluation of some coumarin hybrids as selective carbonic anhydrase IX and XII inhibitors. Bioorganic Chemistry, 2020, 104, 104272.	2.0	26
76	Structural Basis of Nanomolar Inhibition of Tumor-Associated Carbonic Anhydrase IX: X-Ray Crystallographic and Inhibition Study of Lipophilic Inhibitors with Acetazolamide Backbone. Journal of Medicinal Chemistry, 2020, 63, 13064-13075.	2.9	26
77	Inhibition of the newly discovered Î²â€carbonic anhydrase from the protozoan pathogen Trichomonas vaginalis with inorganic anions and small molecules. Journal of Inorganic Biochemistry, 2020, 213, 111274.	1.5	10
78	Unconventional amino acids in medicinal chemistry: First report on taurine merged within carbonic anhydrase inhibitors. Bioorganic Chemistry, 2020, 103, 104236.	2.0	7
79	Sulphonamide inhibition profile of Staphylococcus aureus Î²-carbonic anhydrase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1834-1839.	2.5	15
80	Novel insights on saccharin- and acesulfame-based carbonic anhydrase inhibitors: design, synthesis, modelling investigations and biological activity evaluation. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1891-1905.	2.5	14
81	Chagas Disease: Perspectives on the Past and Present and Challenges in Drug Discovery. Molecules, 2020, 25, 5483.	1.7	28
82	Synthesis, Computational Studies and Assessment of in Vitro Activity of Squalene Derivatives as Carbonic Anhydrase Inhibitors. ChemMedChem, 2020, 15, 2052-2057.	1.6	4
83	Carbonic Anhydrase Inhibitors Targeting Metabolism and Tumor Microenvironment. Metabolites, 2020, 10, 412.	1.3	116
84	In Silico-Guided Identification of New Potent Inhibitors of Carbonic Anhydrases Expressed in Vibrio cholerae. ACS Medicinal Chemistry Letters, 2020, 11, 2294-2299.	1.3	8
85	Catechols: a new class of carbonic anhydrase inhibitors. Chemical Communications, 2020, 56, 13033-13036.	2.2	20
86	BenzylaminoethylureidoâEtailed Benzenesulfonamides Show Potent Inhibitory Activity against Bacterial Carbonic Anhydrases. ChemMedChem, 2020, 15, 2444-2447.	1.6	7
87	Carbonic Anhydrases: Versatile and Useful Biocatalysts in Chemistry and Biochemistry. Catalysts, 2020, 10, 1008.	1.6	38
88	N-aryl-Nâ€²-ureido-O-sulfamates as potent and selective inhibitors of hCA VB over hCA VA: Deciphering the binding mode of new potential agents in mitochondrial dysfunctions. Bioorganic Chemistry, 2020, 100, 103896.	2.0	8
89	Design, Synthesis, and Biological Evaluation of 1,2,3-Triazole-linked triazino[5,6-b]indole-benzene sulfonamide Conjugates as Potent Carbonic Anhydrase I, II, IX, and XIII Inhibitors. Metabolites, 2020, 10, 200.	1.3	9
90	Novel Indole-Based Hydrazones as Potent Inhibitors of the Î±-class Carbonic Anhydrase from Pathogenic Bacterium Vibrio cholerae. International Journal of Molecular Sciences, 2020, 21, 3131.	1.8	3

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91	Effect of Carbonic Anhydrase IX inhibitors on human endothelial cell survival. Pharmacological Research, 2020, 159, 104964.	3.1	9
92	Synthesis and carbonic anhydrase activating properties of a series of 2-amino-imidazolines structurally related to clonidine¹. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1003-1010.	2.5	6
93	Crystal Structure of a Tetrameric Type II Î²-Carbonic Anhydrase from the Pathogenic Bacterium Burkholderia pseudomallei. Molecules, 2020, 25, 2269.	1.7	10
94	Azidothymidine â€œClickedâ€•into 1,2,3-Triazoles: First Report on Carbonic Anhydraseâ€“Telomerase Dual-Hybrid Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 7392-7409.	2.9	29
95	2-Mercaptobenzoxazoles: a class of carbonic anhydrase inhibitors with a novel binding mode to the enzyme active site. Chemical Communications, 2020, 56, 8297-8300.	2.2	6
96	New coumarin/sulfocoumarin linked phenylacrylamides as selective transmembrane carbonic anhydrase inhibitors: Synthesis and in-vitro biological evaluation. Bioorganic and Medicinal Chemistry, 2020, 28, 115586.	1.4	14
97	Biochemical and structural characterisation of a protozoan beta-carbonic anhydrase from Trichomonas vaginalis. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1292-1299.	2.5	19
98	Discovery of first-in-class multi-target adenosine A2A receptor antagonists-carbonic anhydrase IX and XII inhibitors. 8-Amino-6-aryl-2-phenyl-1,2,4-triazolo [4,3-a]pyrazin-3-one derivatives as new potential antitumor agents. European Journal of Medicinal Chemistry, 2020, 201, 112478.	2.6	9
99	Activation Effects of Carnosine- and Histidine-Containing Dipeptides on Human Carbonic Anhydrases: A Comprehensive Study. International Journal of Molecular Sciences, 2020, 21, 1761.	1.8	15
100	Tail approach synthesis of novel benzenesulfonamides incorporating 1,3,4-oxadiazole hybrids as potent inhibitor of carbonic anhydrase I, II, IX, and XII isoenzymes. European Journal of Medicinal Chemistry, 2020, 193, 112219.	2.6	26
101	Design, synthesis and biological evaluation of coumarin linked 1,2,4-oxadiazoles as selective carbonic anhydrase IX and XII inhibitors. Bioorganic Chemistry, 2020, 98, 103739.	2.0	21
102	Sulfonamide Inhibition Studies of an Î±-Carbonic Anhydrase from Schistosoma mansoni, a Platyhelminth Parasite Responsible for Schistosomiasis. International Journal of Molecular Sciences, 2020, 21, 1842.	1.8	21
103	Tellurides Bearing Sulfonamides as Novel Inhibitors of Leishmanial Carbonic Anhydrase with Potent Antileishmanial Activity. Journal of Medicinal Chemistry, 2020, 63, 4306-4314.	2.9	28
104	Glycomimetic Based Approach toward Selective Carbonic Anhydrase Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 727-731.	1.3	12
105	Selenolesterase enzyme activity of carbonic anhydrases. Chemical Communications, 2020, 56, 4444-4447.	2.2	25
106	Looking toward the Rim of the Active Site Cavity of Druggable Human Carbonic Anhydrase Isoforms. ACS Medicinal Chemistry Letters, 2020, 11, 1000-1005.	1.3	6
107	Synthesis, computational studies and assessment of inÂvitro inhibitory activity of umbelliferon-based compounds against tumour-associated carbonic anhydrase isoforms IX and XII. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1442-1449.	2.5	6
108	Perfluoroalkyl Substances of Significant Environmental Concern Can Strongly Inhibit Human Carbonic Anhydrase Isozymes. Analytical Chemistry, 2020, 92, 4614-4622.	3.2	28

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109	X-ray crystallography of Epacadostat in adduct with Carbonic Anhydrase IX. Bioorganic Chemistry, 2020, 97, 103669.	2.0	6
110	New Dihydrothiazole Benzensulfonamides: Looking for Selectivity toward Carbonic Anhydrase Isoforms I, II, IX, and XII. ACS Medicinal Chemistry Letters, 2020, 11, 852-856.	1.3	6
111	1,3-Dipolar Cycloaddition, HPLC Enantioseparation, and Docking Studies of Saccharin/Isoxazole and Saccharin/Isoxazoline Derivatives as Selective Carbonic Anhydrase IX and XII Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 2470-2488.	2.9	42
112	Evaluation of Thio- and Seleno-Acetamides Bearing Benzenesulfonamide as Inhibitor of Carbonic Anhydrases from Different Pathogenic Bacteria. International Journal of Molecular Sciences, 2020, 21, 598.	1.8	15
113	Coumarins fromMagydaris pastinaceaas inhibitors of the tumour-associated carbonic anhydrases IX and XII: isolation, biological studies and in silico evaluation. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 539-548.	2.5	23
114	Sulfonamide Inhibition Profile of the Î²-Carbonic Anhydrase from Malassezia restricta, An Opportunistic Pathogen Triggering Scalp Conditions. Metabolites, 2020, 10, 39.	1.3	18
115	Pharmacological Inhibition of CA-IX Impairs Tumor Cell Proliferation, Migration and Invasiveness. International Journal of Molecular Sciences, 2020, 21, 2983.	1.8	25
116	Benzylaminoethyureido-Tailed Benzenesulfonamides: Design, Synthesis, Kinetic and X-ray Investigations on Human Carbonic Anhydrases. International Journal of Molecular Sciences, 2020, 21, 2560.	1.8	17
117	Synthesis and carbonic anhydrase inhibition studies of sulfonamide based indole-1,2,3-triazole chalcone hybrids. Bioorganic Chemistry, 2020, 99, 103839.	2.0	34
118	1,2,4-Triazole-based anticonvulsant agents with additional ROS scavenging activity are effective in a model of pharmacoresistant epilepsy. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 993-1002.	2.5	33
119	Development of Thiazolidinones as Fungal Carbonic Anhydrase Inhibitors. International Journal of Molecular Sciences, 2020, 21, 2960.	1.8	15
120	Activation studies of the Î²-carbonic anhydrases from Malassezia restricta with amines and amino acids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 824-830.	2.5	4
121	Preparation, carbonic anhydrase enzyme inhibition and antioxidant activity of novel 7-amino-3,4-dihydroquinolin-2(1H)-one derivatives incorporating mono or dipeptide moiety. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1021-1026.	2.5	6
122	Synthesis and Biological Evaluation of Imidazo[2,1-b]Thiazole based Sulfonyl Piperazines as Novel Carbonic Anhydrase II Inhibitors. Metabolites, 2020, 10, 136.	1.3	14
123	Expanding the anticancer potential of 1,2,3-triazoles via simultaneously targeting Cyclooxygenase-2, 15-lipoxygenase and tumor-associated carbonic anhydrases. European Journal of Medicinal Chemistry, 2020, 200, 112439.	2.6	40
124	Carbonic anhydrase inhibitors based on sorafenib scaffold: Design, synthesis, crystallographic investigation and effects on primary breast cancer cells. European Journal of Medicinal Chemistry, 2019, 182, 111600.	2.6	33
125	Design, synthesis and biological activity of selective hCAs inhibitors based on 2-(benzylsulfinyl)benzoic acid scaffold. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1400-1413.	2.5	24
126	Synthesis of novel tellurides bearing benzensulfonamide moiety as carbonic anhydrase inhibitors with antitumor activity. European Journal of Medicinal Chemistry, 2019, 181, 111586.	2.6	25

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127	Sulfonamides incorporating piperazine bioisosteres as potent human carbonic anhydrase I, II, IV and IX inhibitors. Bioorganic Chemistry, 2019, 91, 103130.	2.0	12
128	Synthesis and Evaluation of Carbonic Anhydrase Inhibitors with Carbon Monoxide Releasing Properties for the Management of Rheumatoid Arthritis. Journal of Medicinal Chemistry, 2019, 62, 7233-7249.	2.9	39
129	Anion Inhibition Profile of the Î²-Carbonic Anhydrase from the Opportunist Pathogenic Fungus Malassezia Restricta Involved in Dandruff and Seborrheic Dermatitis. Metabolites, 2019, 9, 147.	1.3	11
130	The first activation study of the Î²-carbonic anhydrases from the pathogenic bacteriaBrucella suisandFrancisella tularensiswith amines and amino acids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1178-1185.	2.5	7
131	Mechanisms of action of carbonic anhydrase inhibitors. , 2019, , 223-243.		0
132	An efficient method for the synthesis of novel derivatives 4-{5-[4-(4-amino-5-mercapto-4H-[1,2,4]triazol-3-yl)-phenyl]-3-trifluoromethyl-pyrazol-1-yl}-benzenesulfonamide and their anti-inflammatory potential. Bioorganic Chemistry, 2019, 91, 103110.	2.0	12
133	Spirocyclic sulfonamides with carbonic anhydrase inhibitory and anti-neuropathic pain activity. Bioorganic Chemistry, 2019, 92, 103210.	2.0	11
134	From random to rational: A discovery approach to selective subnanomolar inhibitors of human carbonic anhydrase IV based on the Castagnoli-Cushman multicomponent reaction. European Journal of Medicinal Chemistry, 2019, 182, 111642.	2.6	10
135	Prostaglandin receptor agonists as antiglaucoma agents (a patent review 2013 â€“ 2018). Expert Opinion on Therapeutic Patents, 2019, 29, 793-803.	2.4	25
136	Crystal structure and chemical inhibition of essential schistosome host-interactive virulence factor carbonic anhydrase SmCA. Communications Biology, 2019, 2, 333.	2.0	30
137	Synthesis, biological evaluation and in silico modelling studies of 1,3,5-trisubstituted pyrazoles carrying benzenesulfonamide as potential anticancer agents and selective cancer-associated hCA IX isoenzyme inhibitors. Bioorganic Chemistry, 2019, 92, 103222.	2.0	34
138	Exploring new structural features of the 4-[(3-methyl-4-aryl-2,3-dihydro-1,3-thiazol-2-ylidene)amino]benzenesulphonamide scaffold for the inhibition of human carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1526-1533.	2.5	9
139	Synthesis of coumarin-sulfonamide derivatives and determination of their cytotoxicity, carbonic anhydrase inhibitory and molecular docking studies. European Journal of Medicinal Chemistry, 2019, 183, 111702.	2.6	59
140	Discovery of new organoselenium compounds as antileishmanial agents. Bioorganic Chemistry, 2019, 86, 339-345.	2.0	39
141	Design, synthesis and biological evaluation of coumarin-3-carboxamides as selective carbonic anhydrase IX and XII inhibitors. Bioorganic Chemistry, 2019, 86, 386-392.	2.0	29
142	Selenols: a new class of carbonic anhydrase inhibitors. Chemical Communications, 2019, 55, 648-651.	2.2	56
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