Andrea Angeli

List of Publications by Year
in descending order

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227	4,589	101496	223716
papers	citations	36 h-index	46 g-index

228	228	228	3089
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carbonic Anhydrase Inhibitors Targeting Metabolism and Tumor Microenvironment. Metabolites, 2020, 10, 412.	1.3	116
2	New anticancer drug candidates sulfonamides as selective hCA IX or hCA XII inhibitors. Bioorganic Chemistry, 2018, 77, 411-419.	2.0	99
3	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
4	Discovery of New Selenoureido Analogues of 4-(4-Fluorophenylureido)benzenesulfonamide as Carbonic Anhydrase Inhibitors. ACS Medicinal Chemistry Letters, 2017, 8, 963-968.	1.3	62
5	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
6	Inhibitory effects and structural insights for a novel series of coumarin-based compounds that selectively target human CA IX and CA XII carbonic anhydrases. European Journal of Medicinal Chemistry, 2018, 143, 276-282.	2.6	58
7	Selenols: a new class of carbonic anhydrase inhibitors. Chemical Communications, 2019, 55, 648-651.	2.2	56
8	Synthesis and anti-inflammatory activity of sulfonamides and carboxylates incorporating trimellitimides: Dual cyclooxygenase/carbonic anhydrase inhibitory actions. Bioorganic Chemistry, 2019, 84, 260-268.	2.0	56
9	Synthesis of 4-(thiazol-2-ylamino)-benzenesulfonamides with carbonic anhydrase I, II and IX inhibitory activity and cytotoxic effects against breast cancer cell lines. Bioorganic and Medicinal Chemistry, 2016, 24, 3043-3051.	1.4	53
10	Discovery of Novel Nonsteroidal Anti-Inflammatory Drugs and Carbonic Anhydrase Inhibitors Hybrids (NSAIDsâ€“CAIs) for the Management of Rheumatoid Arthritis. Journal of Medicinal Chemistry, 2018, 61, 4961-4977.	2.9	53
11	Microwave-assisted extraction, HPLC analysis, and inhibitory effects on carbonic anhydrase I, II, VA, and VII isoforms of 14 blueberry Italian cultivars. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1-6.	2.5	51
12	Synthesis and carbonic anhydrase I, II, VII, and IX inhibition studies with a series of benzo[d]thiazole-5- and 6-sulfonamides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1071-1078.	2.5	51
13	Bioactive isoflavones from Pueraria lobata root and starch: Different extraction techniques and carbonic anhydrase inhibition. Food and Chemical Toxicology, 2018, 112, 441-447.	1.8	50
14	Discovery of New Potential Antiâ€Infective Compounds Based on Carbonic Anhydrase Inhibitors by Rational Targetâ€Focused Repurposing Approaches. ChemMedChem, 2016, 11, 1904-1914.	1.6	49
15	Discovery of Benzenesulfonamides with Potent Human Carbonic Anhydrase Inhibitory and Effective Anticonvulsant Action: Design, Synthesis, and Pharmacological Assessment. Journal of Medicinal Chemistry, 2017, 60, 2456-2469.	2.9	49
16	Isatin: a privileged scaffold for the design of carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 68-73.	2.5	49
17	Synthesis, biological activity and multiscale molecular modeling studies of bis-coumarins as selective carbonic anhydrase IX and XII inhibitors with effective cytotoxicity against hepatocellular carcinoma. Bioorganic Chemistry, 2019, 87, 838-850.	2.0	49
18	Structural investigations on coumarins leading to chromeno[4,3-c]pyrazol-4-ones and pyrano[4,3-c]pyrazol-4-ones: New scaffolds for the design of the tumor-associated carbonic anhydrase isoforms IX and XII. European Journal of Medicinal Chemistry, 2018, 146, 47-59.	2.6	45

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19	Evaluation of selenide, diselenide and selenoheterocycle derivatives as carbonic anhydrase I, II, IV, VII and IX inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 2518-2523.	1.4	44
20	Synthesis of Novel Selenides Bearing Benzenesulfonamide Moieties as Carbonic Anhydrase I, II, IV, VII, and IX Inhibitors. ACS Medicinal Chemistry Letters, 2017, 8, 1213-1217.	1.3	44
21	Anticancer effects of new dibenzenesulfonamides by inducing apoptosis and autophagy pathways and their carbonic anhydrase inhibitory effects on hCA I, hCA II, hCA IX, hCA XII isoenzymes. Bioorganic Chemistry, 2018, 78, 290-297.	2.0	44
22	Heterocyclic periphery in the design of carbonic anhydrase inhibitors: 1,2,4-Oxadiazol-5-yl benzenesulfonamides as potent and selective inhibitors of cytosolic hCA II and membrane-bound hCA IX isoforms. Bioorganic Chemistry, 2018, 76, 88-97.	2.0	44
23	Famotidine, an Antiulcer Agent, Strongly Inhibits Helicobacter pylori and Human Carbonic Anhydrases. ACS Medicinal Chemistry Letters, 2018, 9, 1035-1038.	1.3	44
24	Synthesis of novel acyl selenoureido benzensulfonamides as carbonic anhydrase I, II, VII and IX inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 3567-3573.	1.4	42
25	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
26	Synthesis of novel 4-functionalized 1,5-diaryl-1,2,3-triazoles containing benzenesulfonamide moiety as carbonic anhydrase I, II, IV and IX inhibitors. European Journal of Medicinal Chemistry, 2018, 150, 678-686.	2.6	41
27	First evaluation of organotellurium derivatives as carbonic anhydrase I, II, IV, VII and IX inhibitors. Bioorganic Chemistry, 2018, 76, 268-272.	2.0	41
28	Probing Molecular Interactions between Human Carbonic Anhydrases (hCAs) and a Novel Class of Benzenesulfonamides. Journal of Medicinal Chemistry, 2017, 60, 4316-4326.	2.9	40
29	Sulfur, selenium and tellurium containing amines act as effective carbonic anhydrase activators. Bioorganic Chemistry, 2019, 87, 516-522.	2.0	40
30	Inhibition of Î±-, Î²-, Î³-, Î´-, Î¶- and Î·-class carbonic anhydrases from bacteria, fungi, algae, diatoms and protozoans with famotidine. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 644-650.	2.5	40
31	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
32	Heterocoumarins Are Selective Carbonic Anhydrase IX and XII Inhibitors with Cytotoxic Effects against Cancer Cells Lines. ACS Medicinal Chemistry Letters, 2018, 9, 947-951.	1.3	39
33	Design, synthesis and X-ray crystallography of selenides bearing benzenesulfonamide moiety with neuropathic pain modulating effects. European Journal of Medicinal Chemistry, 2018, 154, 210-219.	2.6	39
34	Targeting Tumor Associated Carbonic Anhydrases IX and XII: Highly Isozyme Selective Coumarin and Psoralen Inhibitors. ACS Medicinal Chemistry Letters, 2018, 9, 725-729.	1.3	39
35	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
36	Discovery of new organoselenium compounds as antileishmanial agents. Bioorganic Chemistry, 2019, 86, 339-345.	2.0	39

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37	Synthesis and biological evaluation of coumarin-1,3,4-oxadiazole hybrids as selective carbonic anhydrase IX and XII inhibitors. Bioorganic Chemistry, 2019, 87, 765-772.	2.0	38
38	Carbonic Anhydrases: Versatile and Useful Biocatalysts in Chemistry and Biochemistry. Catalysts, 2020, 10, 1008.	1.6	38
39	Sulfocoumarinâ€; Coumarinâ€; 4â€Sulfamoylphenylâ€Bearing Indazoleâ€3â€carboxamide Hybrids: Synthesis and Selective Inhibition of Tumorâ€Associated Carbonic Anhydrase Isozymes IX and XII. ChemMedChem, 2017, 12, 1578-1584.	1.6	36
40	Inhibition of the Î±-carbonic anhydrase fromVibrio choleraewith amides and sulfonamides incorporating imidazole moieties. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 798-804.	2.5	35
41	Synthesis of different thio-scaffolds bearing sulfonamide with subnanomolar carbonic anhydrase II and IX inhibitory properties and X-ray investigations for their inhibitory mechanism. Bioorganic Chemistry, 2018, 81, 642-648.	2.0	35
42	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
43	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
44	Synthesis and carbonic anhydrase inhibition studies of sulfonamide based indole-1,2,3-triazole chalcone hybrids. Bioorganic Chemistry, 2020, 99, 103839.	2.0	34
45	Synthesis and biological evaluation of cyclic imides incorporating benzenesulfonamide moieties as carbonic anhydrase I, II, IV and IX inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 1666-1671.	1.4	33
46	Psychoactive substances belonging to the amphetamine class potently activate brain carbonic anhydrase isoforms VA, VB, VII, and XII. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1253-1259.	2.5	33
47	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
48	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
49	Discovery of new 2, 5-disubstituted 1,3-selenazoles as selective human carbonic anhydrase IX inhibitors with potent anti-tumor activity. European Journal of Medicinal Chemistry, 2018, 157, 1214-1222.	2.6	32
50	Exploring structural properties of potent human carbonic anhydrase inhibitors bearing a 4-(cycloalkylamino-1-carbonyl)benzenesulfonamide moiety. European Journal of Medicinal Chemistry, 2019, 163, 443-452.	2.6	31
51	Activation of Î²- and Î³-carbonic anhydrases from pathogenic bacteria with tripeptides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 945-950.	2.5	30
52	Crystal structure and chemical inhibition of essential schistosome host-interactive virulence factor carbonic anhydrase SmCA. Communications Biology, 2019, 2, 333.	2.0	30
53	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
54	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

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55	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
56	Discovery of curcumin inspired sulfonamide derivatives as a new class of carbonic anhydrase isoforms I, II, IX, and XII inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1274-1281.	2.5	28
57	Synthesis, biological activity and multiscale molecular modeling studies for coumaryl-carboxamide derivatives as selective carbonic anhydrase IX inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1042-1052.	2.5	28
58	Direct and straightforward access to substituted alkyl selenols as novel carbonic anhydrase inhibitors. European Journal of Medicinal Chemistry, 2020, 185, 111811.	2.6	28
59	Chagas Disease: Perspectives on the Past and Present and Challenges in Drug Discovery. Molecules, 2020, 25, 5483.	1.7	28
60	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
61	Perfluoroalkyl Substances of Significant Environmental Concern Can Strongly Inhibit Human Carbonic Anhydrase Isozymes. Analytical Chemistry, 2020, 92, 4614-4622.	3.2	28
62	N-Acylbenzenesulfonamide Dihydro-1,3,4-oxadiazole Hybrids: Seeking Selectivity toward Carbonic Anhydrase Isoforms. ACS Medicinal Chemistry Letters, 2017, 8, 792-796.	1.3	27
63	Discovery of Benzenesulfonamide Derivatives as Carbonic Anhydrase Inhibitors with Effective Anticonvulsant Action: Design, Synthesis, and Pharmacological Evaluation. Journal of Medicinal Chemistry, 2018, 61, 3151-3165.	2.9	27
64	Novel 2-(2-arylmethylthio-4-chloro-5-methylbenzenesulfonyl)-1-(1,3,5-triazin-2-ylamino)guanidine derivatives: Inhibition of human carbonic anhydrase cytosolic isozymes I and II and the transmembrane tumor-associated isozymes IX and XII, anticancer activity, and molecular modeling studies. European Journal of Medicinal Chemistry, 2018, 143, 1931-1941.	2.6	26
65	The first activation studies of the Î-carbonic anhydrase from the malaria parasite Plasmodium falciparum with amines and amino acids. Bioorganic Chemistry, 2018, 80, 94-98.	2.0	26
66	Synthesis and biological evaluation of some coumarin hybrids as selective carbonic anhydrase IX and XII inhibitors. Bioorganic Chemistry, 2020, 104, 104272.	2.0	26
67	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
68	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
69	Novel sulfonamide-containing 2-indolinones that selectively inhibit tumor-associated alpha carbonic anhydrases. Bioorganic and Medicinal Chemistry, 2017, 25, 3714-3718.	1.4	25
70	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
71	Prostaglandin receptor agonists as antiglaucoma agents (a patent review 2013 â€“ 2018). Expert Opinion on Therapeutic Patents, 2019, 29, 793-803.	2.4	25
72	Benzensulfonamides bearing spyrohydantoin moieties act as potent inhibitors of human carbonic anhydrases II and VII and show neuropathic pain attenuating effects. European Journal of Medicinal Chemistry, 2019, 177, 188-197.	2.6	25

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73	Selenolesterase enzyme activity of carbonic anhydrases. Chemical Communications, 2020, 56, 4444-4447.	2.2	25
74	Pharmacological Inhibition of CA-IX Impairs Tumor Cell Proliferation, Migration and Invasiveness. International Journal of Molecular Sciences, 2020, 21, 2983.	1.8	25
75	3-Hydroxy-1H-quinazoline-2,4-dione as a New Scaffold To Develop Potent and Selective Inhibitors of the Tumor-Associated Carbonic Anhydrases IX and XII. Journal of Medicinal Chemistry, 2017, 60, 6428-6439.	2.9	24
76	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
77	Design, synthesis and biological evaluation ofN-(5-methyl-isoxazol-3-yl/1,3,4-thiadiazol-2-yl)-4-(3-substitutedphenylureido) benzenesulfonamides as human carbonic anhydrase isoenzymes I, II, VII and XII inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 174-179.	2.5	23
78	Synthesis and carbonic anhydrase inhibition of polycyclic imides incorporating N-benzenesulfonamide moieties. Bioorganic and Medicinal Chemistry, 2017, 25, 5373-5379.	1.4	23
79	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
80	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
81	Acyl selenoureido benzensulfonamides show potent inhibitory activity against carbonic anhydrases from the pathogenic bacterium Vibrio cholerae. Bioorganic Chemistry, 2017, 75, 170-172.	2.0	21
82	The zinc â€“ but not cadmium â€“ containing Î¶-carbonic from the diatom Thalassiosira weissflogii is potently activated by amines and amino acids. Bioorganic Chemistry, 2018, 80, 261-265.	2.0	21
83	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
84	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
85	Design, Synthesis, and X-ray of Selenides as New Class of Agents for Prevention of Diabetic Cerebrovascular Pathology. ACS Medicinal Chemistry Letters, 2018, 9, 462-467.	1.3	20
86	Synthesis carbonic anhydrase enzyme inhibition and antioxidant activity of novel benzothiazole derivatives incorporating glycine, methionine, alanine, and phenylalanine moieties. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 343-349.	2.5	20
87	Catechols: a new class of carbonic anhydrase inhibitors. Chemical Communications, 2020, 56, 13033-13036.	2.2	20
88	Activation studies of the Î±- and Î²-carbonic anhydrases from the pathogenic bacteriumVibrio choleraewith amines and amino acids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 227-233.	2.5	19
89	The Î³-carbonic anhydrase from the pathogenic bacterium Vibrio cholerae is potently activated by amines and amino acids. Bioorganic Chemistry, 2018, 77, 1-5.	2.0	19
90	Novel thiazolidinone-containing compounds, without the well-known sulphonamide zinc-binding group acting as human carbonic anhydrase IX inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1299-1308.	2.5	19

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91	Selenides bearing benzenesulfonamide show potent inhibition activity against carbonic anhydrases from pathogenic bacteria Vibrio cholerae and Burkholderia pseudomallei. Bioorganic Chemistry, 2018, 79, 319-322.	2.0	19
92	Novel sulfonamides incorporating 1,3,5-triazine and amino acid structural motifs as inhibitors of the physiological carbonic anhydrase isozymes I, II and IV and tumor-associated isozyme IX. Bioorganic Chemistry, 2018, 81, 241-252.	2.0	19
93	Inhibition of carbonic anhydrases by a substrate analog: benzyl carbamate directly coordinates the catalytic zinc ion mimicking bicarbonate binding. Chemical Communications, 2018, 54, 10312-10315.	2.2	19
94	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
95	Activation studies with amines and amino acids of the Î²-carbonic anhydrase from the pathogenic protozoan Leishmania donovani chagasi. Bioorganic Chemistry, 2018, 78, 406-410.	2.0	18
96	The first activation study of a Î´-carbonic anhydrase: TweCAÎ´ from the diatom Thalassiosira weissflogii is effectively activated by amines and amino acids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 680-685.	2.5	18
97	Tuning the Dual Inhibition of Carbonic Anhydrase and Cyclooxygenase by Dihydrothiazole Benzensulfonamides. ACS Medicinal Chemistry Letters, 2018, 9, 1045-1050.	1.3	18
98	Polypharmacology of epacadostat: a potent and selective inhibitor of the tumor associated carbonic anhydrases IX and XII. Chemical Communications, 2019, 55, 5720-5723.	2.2	18
99	Sulfonamide Inhibition Profile of the Î²-Carbonic Anhydrase from Malassezia restricta, An Opportunistic Pathogen Triggering Scalp Conditions. Metabolites, 2020, 10, 39.	1.3	18
100	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
101	Five- and Six-Membered Nitrogen-Containing Compounds as Selective Carbonic Anhydrase Activators. Molecules, 2017, 22, 2178.	1.7	17
102	Unprotected primary sulfonamide group facilitates ring-forming cascade en route to polycyclic [1,4]oxazepine-based carbonic anhydrase inhibitors. Bioorganic Chemistry, 2018, 76, 140-146.	2.0	17
103	Discovery of potent anti-convulsant carbonic anhydrase inhibitors: Design, synthesis, inÂvitro and inÂvivo appraisal. European Journal of Medicinal Chemistry, 2018, 156, 430-443.	2.6	17
104	Synthesis and biological evaluation of novel 8-substituted quinoline-2-carboxamides as carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1172-1177.	2.5	17
105	Inhibition of bacterial Î±-, Î²- and Î³-class carbonic anhydrases with selenazoles incorporating benzenesulfonamide moieties. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 244-249.	2.5	17
106	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
107	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
108	Activation studies with amines and amino acids of the Î²-carbonic anhydrase encoded by the Rv3273 gene from the pathogenic bacterium Mycobacterium tuberculosis. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 364-369.	2.5	16

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109	Synthesis of a new series of 3-functionalised-1-phenyl-1,2,3-triazole sulfamoylbenzamides as carbonic anhydrase I, II, IV and IX inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1199-1209.	2.5	16
110	Response to Perspectives on the Classical Enzyme Carbonic Anhydrase and the Search for Inhibitors. Biophysical Journal, 2021, 120, 178-181.	0.2	16
111	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
112	Discovering a new class of antifungal agents that selectively inhibits microbial carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1537-1544.	2.5	15
113	N-aryl-Nâ€™-ureido-O-sulfamates: Potent and selective inhibitors of the human Carbonic Anhydrase VII isoform with neuropathic pain relieving properties. Bioorganic Chemistry, 2019, 89, 103033.	2.0	15
114	Sulphonamide inhibition profile of Staphylococcus aureus Î²-carbonic anhydrase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1834-1839.	2.5	15
115	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
116	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
117	Development of Thiazolidinones as Fungal Carbonic Anhydrase Inhibitors. International Journal of Molecular Sciences, 2020, 21, 2960.	1.8	15
118	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
119	Discovery of 4-sulfamoyl-phenyl-Î²-lactams as a new class of potent carbonic anhydrase isoforms I, II, IV and VII inhibitors: The first example of subnanomolar CA IV inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 539-544.	1.4	14
120	Synthesis and Biological Evaluation of 4â€Sulfamoylphenyl/Sulfocoumarin Carboxamides as Selective Inhibitors of Carbonic Anhydrase Isoforms hCAâ€…II, IX, and XII. ChemMedChem, 2018, 13, 1165-1171.	1.6	14
121	Syntesis of thio- and seleno-acetamides bearing benzenesulfonamide as potent inhibitors of human carbonic anhydrase II and XII. Bioorganic Chemistry, 2019, 89, 102984.	2.0	14
122	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
123	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
124	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
125	Coumarinâ€Thiourea Hybrids Show Potent Carbonic Anhydrase IX and XIII Inhibitory Action. ChemMedChem, 2021, 16, 1252-1256.	1.6	14
126	Fibrate-basedN-acylsulphonamides targeting carbonic anhydrases: synthesis, biochemical evaluation, and docking studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1051-1061.	2.5	13

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127	Novel 2-indolinones containing a sulfonamide moiety as selective inhibitors of candida Î²-carbonic anhydrase enzyme. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 528-531.	2.5	13
128	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
129	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
130	Activation studies with amines and amino acids of the Î±-carbonic anhydrase from the pathogenic protozoan Trypanosoma cruzi. Bioorganic and Medicinal Chemistry, 2018, 26, 4187-4190.	1.4	12
131	Sulfonamides incorporating piperazine bioisosteres as potent human carbonic anhydrase I, II, IV and IX inhibitors. Bioorganic Chemistry, 2019, 91, 103130.	2.0	12
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	Glycomimetic Based Approach toward Selective Carbonic Anhydrase Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 727-731.	1.3	12
134	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
135	Structural Insights into Schistosoma mansoni Carbonic Anhydrase (SmCA) Inhibition by Selenoureido-Substituted Benzenesulfonamides. Journal of Medicinal Chemistry, 2021, 64, 10418-10428.	2.9	12
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137	Spirocyclic sulfonamides with carbonic anhydrase inhibitory and anti-neuropathic pain activity. Bioorganic Chemistry, 2019, 92, 103210.	2.0	11
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