Alessio Nocentini

List of Publications by Year in descending order

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200	5,643	71102	138484
papers	citations	41 h-index	58 g-index

201	201	201	3420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel benzenesulfonamideâ€bearing pyrazoles and 1,2,4â€thiadiazoles as selective carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2022, 355, e2100241.	4.1	11
2	Natural inspired ligustrazine-based SLC-0111 analogues as novel carbonic anhydrase inhibitors. European Journal of Medicinal Chemistry, 2022, 228, 114008.	5.5	12
3	Discovery of 2,4-thiazolidinedione-tethered coumarins as novel selective inhibitors for carbonic anhydrase IX and XII isoforms. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 531-541.	5.2	15
4	Coumarins effectively inhibit bacterial Î±-carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 333-338.	5.2	24
5	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.	5.5	1
6	Pharmaceutical strategies for preventing toxicity and promoting antioxidant and anti-inflammatory actions of bilirubin. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 487-501.	5.2	16
7	Inhibition studies of bacterial Î±-carbonic anhydrases with phenols. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 666-671.	5.2	18
8	Coumarins inhibit Î²-class carbonic anhydrase from Plasmodium falciparum. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 680-685.	5.2	8
9	Repurposing FDA-approved sulphonamide carbonic anhydrase inhibitors for treatment of Neisseria gonorrhoeae. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 51-61.	5.2	26
10	2-Aminobenzoxazole-appended coumarins as potent and selective inhibitors of tumour-associated carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 168-177.	5.2	11
11	Antiproliferative effects of sulphonamide carbonic anhydrase inhibitors C18, SLC-0111 and acetazolamide on bladder, glioblastoma and pancreatic cancer cell lines. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 280-286.	5.2	26
12	Carbonic Anhydrase Inhibitors Featuring a Porphyrin Scaffold: Synthesis, Optical and Biological Properties. European Journal of Organic Chemistry, 2022, 2022, .	2.4	3
13	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.	5.2	0
14	Development of Sulfamoylated 4-(1-Phenyl-1H-1,2,3-triazol-4-yl)phenol Derivatives as Potent Steroid Sulfatase Inhibitors for Efficient Treatment of Breast Cancer. Journal of Medicinal Chemistry, 2022, 65, 5044-5056.	6.4	8
15	5-(Sulfamoyl)thien-2-yl 1,3-oxazole inhibitors of carbonic anhydrase II with hydrophilic periphery. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1005-1011.	5.2	2
16	Perspectives on the design and discovery of Î±-ketoamide inhibitors for the treatment of novel coronavirus: where do we stand and where do we go?. Expert Opinion on Drug Discovery, 2022, 17, 547-557.	5.0	5
17	The three-tails approach as a new strategy to improve selectivity of action of sulphonamide inhibitors against tumour-associated carbonic anhydrase IX and XII. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 930-939.	5.2	19
18	Aromatic Sulfonamides including a Sulfonic Acid Tail: New Membrane Impermeant Carbonic Anhydrase Inhibitors for Targeting Selectively the Cancer-Associated Isoforms. International Journal of Molecular Sciences, 2022, 23, 461.	4.1	12

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19	Dithiocarbamates effectively inhibit the Î±-carbonic anhydrase from Neisseria gonorrhoeae. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1-8.	5.2	13
20	1,5â€Benzodiazepines as a platform for the design of carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2022, 355, 2100405.	4.1	3
21	Calixarenes Incorporating Sulfonamide Moieties: Versatile Ligands for Carbonic Anhydrases Inhibition. Chemistry - A European Journal, 2022, 28, .	3.3	3
22	Novel 3-(6-methylpyridin-2-yl)coumarin-based chalcones as selective inhibitors of cancer-related carbonic anhydrases IX and XII endowed with anti-proliferative activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1043-1052.	5.2	13
23	The inhibitory effect of boric acid on hypoxia-regulated tumour-associated carbonic anhydrase IX. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1340-1345.	5.2	5
24	Development of 4-((3-oxo-3-phenylpropyl)amino)benzenesulfonamide derivatives utilizing tail/dual-tail approaches as novel carbonic anhydrase inhibitors. European Journal of Medicinal Chemistry, 2022, 238, 114412.	5.5	16
25	Chlorinated Benzothiadiazines Inhibit Angiogenesis Through Suppression of VEGFR2 Phosphorylation. Bioorganic and Medicinal Chemistry, 2022, , 116805.	3.0	1
26	Insights into the effect of elaborating coumarin-based aryl enaminones with sulfonamide or carboxylic acid functionality on carbonic anhydrase inhibitory potency and selectivity. Bioorganic Chemistry, 2022, 126, 105888.	4.1	12
27	Structure-activity relationship studies for inhibitors for vancomycin-resistant Enterococcus and human carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1838-1844.	5.2	21
28	Continued Structural Exploration of Sulfocoumarin as Selective Inhibitor of Tumor-Associated Human Carbonic Anhydrases IX and XII. Molecules, 2022, 27, 4076.	3.8	4
29	Squaramide-Tethered Sulfonamides and Coumarins: Synthesis, Inhibition of Tumor-Associated CAs IX and XII and Docking Simulations. International Journal of Molecular Sciences, 2022, 23, 7685.	4.1	9
30	Novel 3-substituted coumarins as selective human carbonic anhydrase IX and XII inhibitors: Synthesis, biological and molecular dynamics analysis. European Journal of Medicinal Chemistry, 2021, 209, 112897.	5.5	38
31	Ninhydrins inhibit carbonic anhydrases directly binding to the metal ion. European Journal of Medicinal Chemistry, 2021, 209, 112875.	5.5	18
32	Response to Perspectives on the Classical Enzyme Carbonic Anhydrase and the Search for Inhibitors. Biophysical Journal, 2021, 120, 178-181.	0.5	16
33	Protease inhibitors targeting the main protease and papain-like protease of coronaviruses. Expert Opinion on Therapeutic Patents, 2021, 31, 309-324.	5.0	25
34	Activation of carbonic anhydrases from human brain by amino alcohol oxime ethers: towards human carbonic anhydrase VII selective activators. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 48-57.	5.2	12
35	Anion inhibition studies of the Î±-carbonic anhydrases from Neisseria gonorrhoeae. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1061-1066.	5.2	17
36	Zeta-carbonic anhydrases show CS2 hydrolase activity: A new metabolic carbon acquisition pathway in diatoms?. Computational and Structural Biotechnology Journal, 2021, 19, 3427-3436.	4.1	10

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37	Biochemical profiling of anti-HIV prodrug Elsulfavirine (Elpida^{Â®}) and its active form VM1500A against a panel of twelve human carbonic anhydrase isoforms. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1056-1060.	5.2	5
38	Anion inhibition studies of the Zn(II)-bound Î¹-carbonic anhydrase from the Gram-negative bacterium Burkholderia territorii. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 372-376.	5.2	19
39	Effect of Sulfonamides and Their Structurally Related Derivatives on the Activity of Î¹-Carbonic Anhydrase from Burkholderia territorii. International Journal of Molecular Sciences, 2021, 22, 571.	4.1	18
40	Structureâ€“Activity Relationship Studies of Acetazolamide-Based Carbonic Anhydrase Inhibitors with Activity against Neisseria gonorrhoeae. ACS Infectious Diseases, 2021, 7, 1969-1984.	3.8	48
41	Synthesis and Enantioselective Pharmacokinetic/Pharmacodynamic Analysis of New CNS-Active Sulfamoylphenyl Carbamate Derivatives. International Journal of Molecular Sciences, 2021, 22, 3361.	4.1	3
42	Development of novel benzofuran-based SLC-0111 analogs as selective cancer-associated carbonic anhydrase isoform IX inhibitors. European Journal of Medicinal Chemistry, 2021, 216, 113283.	5.5	38
43	Role of Carbonic Anhydrase in Cerebral Ischemia and Carbonic Anhydrase Inhibitors as Putative Protective Agents. International Journal of Molecular Sciences, 2021, 22, 5029.	4.1	10
44	The Glitazone Class of Drugs as Carbonic Anhydrase Inhibitorsâ€”A Spin-Off Discovery from Fragment Screening. Molecules, 2021, 26, 3010.	3.8	6
45	Advances in the discovery of novel agents for the treatment of glaucoma. Expert Opinion on Drug Discovery, 2021, 16, 1209-1225.	5.0	24
46	Small-molecule CD73 inhibitors for the immunotherapy of cancer: a patent and literature review (2017â€“present). Expert Opinion on Therapeutic Patents, 2021, 31, 867-876.	5.0	23
47	Identification of N-phenyl-2-(phenylsulfonyl)acetamides/propanamides as new SLC-0111 analogues: Synthesis and evaluation of the carbonic anhydrase inhibitory activities. European Journal of Medicinal Chemistry, 2021, 218, 113360.	5.5	24
48	Insertion of metal carbenes into the anilinic Nâ€“H bond of unprotected aminobenzenesulfonamides delivers low nanomolar inhibitors of human carbonic anhydrase IX and XII isoforms. European Journal of Medicinal Chemistry, 2021, 218, 113352.	5.5	6
49	Binding site comparison for coumarin inhibitors and amine/amino acid activators of human carbonic anhydrases. European Journal of Medicinal Chemistry, 2021, 226, 113875.	5.5	15
50	Determination of intracellular proteinâ€“ligand binding affinity by competition binding in-cell NMR. Acta Crystallographica Section D: Structural Biology, 2021, 77, 1270-1281.	2.3	14
51	Synthesis, Crystal Structure, Inhibitory Activity and Molecular Docking of Coumarins/Sulfonamides Containing Triazolyl Pyridine Moiety as Potent Selective Carbonic Anhydrase IX and XII Inhibitors. Crystals, 2021, 11, 1076.	2.2	12
52	Carbonic Anhydrase IV Selective Inhibitors Counteract the Development of Colitis-Associated Visceral Pain in Rats. Cells, 2021, 10, 2540.	4.1	3
53	Novel benzenesulfonamides aryl and arylsulfone conjugates adopting tail/dual tail approaches: Synthesis, carbonic anhydrase inhibitory activity and molecular modeling studies. European Journal of Medicinal Chemistry, 2021, 221, 113486.	5.5	19
54	Investigation of 3-sulfamoyl coumarins against cancer-related IX and XII isoforms of human carbonic anhydrase as well as cancer cells leads to the discovery of 2-oxo-2H-benzo[h]chromene-3-sulfonamide â€“ A new caspase-activating proapoptotic agent. European Journal of Medicinal Chemistry, 2021, 222, 113589.	5.5	16

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55	Natural inspired piperine-based sulfonamides and carboxylic acids as carbonic anhydrase inhibitors: Design, synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2021, 225, 113800.	5.5	18
56	Inhibition of Î±-, Î²- and Î³-carbonic anhydrases from the pathogenic bacterium Vibrio cholerae with aromatic sulphonamides and clinically licenced drugs â€“ a joint docking/molecular dynamics study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 469-479.	5.2	14
57	Activation of carbonic anhydrase isoforms involved in modulation of emotional memory and cognitive disorders with histamine agonists, antagonists and derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 719-726.	5.2	21
58	Protective effects of carbonic anhydrase inhibition in brain ischaemia in vitro and in vivo models. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 964-976.	5.2	10
59	An overview on the recently discovered iota-carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1988-1995.	5.2	60
60	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.	5.2	81
61	Development of Novel Quinoline-Based Sulfonamides as Selective Cancer-Associated Carbonic Anhydrase Isoform IX Inhibitors. International Journal of Molecular Sciences, 2021, 22, 11119.	4.1	14
62	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.	4.1	35
63	Targeting Carbonic Anhydrases from Trypanosoma cruzi and Leishmania spp. as a Therapeutic Strategy to Obtain New Antiprotozoal Drugs. Topics in Medicinal Chemistry, 2021, , 1.	0.8	1
64	Discovery of New 1,1â€²-Biphenyl-4-sulfonamides as Selective Subnanomolar Human Carbonic Anhydrase II Inhibitors. ACS Medicinal Chemistry Letters, 2020, 11, 633-637.	2.8	2
65	Phosphonamidates are the first phosphorus-based zinc binding motif to show inhibition of Î²-class carbonic anhydrases from bacteria, fungi, and protozoa. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 59-64.	5.2	11
66	Synthesis, biological and molecular dynamics investigations with a series of triazolopyrimidine/triazole-based benzenesulfonamides as novel carbonic anhydrase inhibitors. European Journal of Medicinal Chemistry, 2020, 185, 111843.	5.5	38
67	Bioisosteric Development of Multitarget Nonsteroidal Anti-Inflammatory Drugâ€“Carbonic Anhydrases Inhibitor Hybrids for the Management of Rheumatoid Arthritis. Journal of Medicinal Chemistry, 2020, 63, 2325-2342.	6.4	26
68	Inhibition survey with phenolic compounds against the Î´- and Î·-class carbonic anhydrases from the marine diatom thalassiosira weissflogii and protozoan Plasmodium falciparum. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 377-382.	5.2	8
69	Sulfonamide-based ring-fused analogues for CAN508 as novel carbonic anhydrase inhibitors endowed with antitumor activity: Design, synthesis, and inÂvitro biological evaluation. European Journal of Medicinal Chemistry, 2020, 189, 112019.	5.5	42
70	Synthesis, cytotoxic evaluation, and molecular docking studies of novel quinazoline derivatives with benzenesulfonamide and anilide tails: Dual inhibitors of EGFR/HER2. Bioorganic Chemistry, 2020, 95, 103461.	4.1	41
71	Novel benzofuran-based sulphonamides as selective carbonic anhydrases IX and XII inhibitors: synthesis and inÂvitro biological evaluation. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 298-305.	5.2	16
72	â€œA Sweet Combinationâ€: Developing Saccharin and Acesulfame K Structures for Selectively Targeting the Tumor-Associated Carbonic Anhydrases IX and XII. Journal of Medicinal Chemistry, 2020, 63, 321-333.	6.4	27

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73	Aryl derivatives of 3H-1,2-benzoxathiepine 2,2-dioxide as carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 245-254.	5.2	15
74	Benzothiazole derivatives as anticancer agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 265-279.	5.2	140
75	Sulfonamide/sulfamate switch with a series of piperazinylureido derivatives: Synthesis, kinetic and in silico evaluation as carbonic anhydrase isoforms I, II, IV, and IX inhibitors. European Journal of Medicinal Chemistry, 2020, 186, 111896.	5.5	15
76	3-Methylthiazolo[3,2-a]benzimidazole-benzenesulfonamide conjugates as novel carbonic anhydrase inhibitors endowed with anticancer activity: Design, synthesis, biological and molecular modeling studies. European Journal of Medicinal Chemistry, 2020, 207, 112745.	5.5	45
77	Intracellular Binding/Unbinding Kinetics of Approved Drugs to Carbonic Anhydrase II Observed by in-Cell NMR. ACS Chemical Biology, 2020, 15, 2792-2800.	3.4	23
78	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.	5.2	14
79	Activation studies of the Î²-carbonic anhydrases from Escherichia coli with amino acids and amines. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1379-1386.	5.2	10
80	Inclusion of a 5-fluorouracil moiety in nitrogenous bases derivatives as human carbonic anhydrase IX and XII inhibitors produced a targeted action against MDA-MB-231 and T47D breast cancer cells. European Journal of Medicinal Chemistry, 2020, 190, 112112.	5.5	46
81	Synthesis, Computational Studies and Assessment of in Vitro Activity of Squalene Derivatives as Carbonic Anhydrase Inhibitors. ChemMedChem, 2020, 15, 2052-2057.	3.2	4
82	Native mass spectrometry of human carbonic anhydrase I and its inhibitor complexes. Journal of Biological Inorganic Chemistry, 2020, 25, 979-993.	2.6	5
83	Carbonic Anhydrase Inhibitors Targeting Metabolism and Tumor Microenvironment. Metabolites, 2020, 10, 412.	2.9	116
84	Benzoxaboroles: New Potent Inhibitors of the Carbonic Anhydrases of the Pathogenic Bacterium Vibrio cholerae. ACS Medicinal Chemistry Letters, 2020, 11, 2277-2284.	2.8	25
85	Phenyl(thio)phosphon(amid)ate Benzenesulfonamides as Potent and Selective Inhibitors of Human Carbonic Anhydrases II and VII Counteract Allodynia in a Mouse Model of Oxaliplatin-Induced Neuropathy. Journal of Medicinal Chemistry, 2020, 63, 5185-5200.	6.4	16
86	Bacterial Î¹-carbonic anhydrase: a new active class of carbonic anhydrase identified in the genome of the Gram-negative bacterium Burkholderia territorii. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1060-1068.	5.2	76
87	Hypoxia-Activated Prodrug Derivatives of Carbonic Anhydrase Inhibitors in Benzenesulfonamide Series: Synthesis and Biological Evaluation. Molecules, 2020, 25, 2347.	3.8	8
88	Synthesis of calix[4]azacrown substituted sulphonamides with antioxidant, acetylcholinesterase, butyrylcholinesterase, tyrosinase and carbonic anhydrase inhibitory action. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1215-1223.	5.2	23
89	Development of oxathiino[6,5-b]pyridine 2,2-dioxide derivatives as selective inhibitors of tumor-related carbonic anhydrases IX and XII. European Journal of Medicinal Chemistry, 2020, 200, 112300.	5.5	18
90	Sulfonamide Inhibitors of Human Carbonic Anhydrases Designed through a Three-Tails Approach: Improving Ligand/Isoform Matching and Selectivity of Action. Journal of Medicinal Chemistry, 2020, 63, 7422-7444.	6.4	75

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91	The Effect of Substituted Benzene-Sulfonamides and Clinically Licensed Drugs on the Catalytic Activity of CynT2, a Carbonic Anhydrase Crucial for Escherichia coli Life Cycle. International Journal of Molecular Sciences, 2020, 21, 4175.	4.1	18
92	The role of carbonic anhydrases in extinction of contextual fear memory. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16000-16008.	7.1	33
93	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.	5.5	9
94	S-substituted 2-mercaptoquinazolin-4(3H)-one and 4-ethylbenzensulfonamides act as potent and selective human carbonic anhydrase IX and XII inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 733-743.	5.2	20
95	Appliance of the piperidinyl-hydrazidoureido linker to benzenesulfonamide compounds: Synthesis, in vitro and in silico evaluation of potent carbonic anhydrase II, IX and XII inhibitors. Bioorganic Chemistry, 2020, 98, 103728.	4.1	15
96	Benzofuran-Based Carboxylic Acids as Carbonic Anhydrase Inhibitors and Antiproliferative Agents against Breast Cancer. ACS Medicinal Chemistry Letters, 2020, 11, 1022-1027.	2.8	42
97	Antitumor properties of certain spirooxindoles towards hepatocellular carcinoma endowed with antioxidant activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 831-839.	5.2	61
98	Anion Inhibition Studies of the Beta-Carbonic Anhydrase from Escherichia coli. Molecules, 2020, 25, 2564.	3.8	17
99	Structural and biochemical characterization of novel carbonic anhydrases fromPhaeodactylum tricornutum. Acta Crystallographica Section D: Structural Biology, 2020, 76, 676-686.	2.3	10
100	Discovery of Potent Dual-Tailed Benzenesulfonamide Inhibitors of Human Carbonic Anhydrases Implicated in Glaucoma and in Vivo Profiling of Their Intraocular Pressure-Lowering Action. Journal of Medicinal Chemistry, 2020, 63, 3317-3326.	6.4	33
101	Perfluoroalkyl Substances of Significant Environmental Concern Can Strongly Inhibit Human Carbonic Anhydrase Isozymes. Analytical Chemistry, 2020, 92, 4614-4622.	6.5	28
102	7-Acylamino-3H-1,2-benzoxathiepine 2,2-dioxides as new isoform-selective carbonic anhydrase IX and XII inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 650-656.	5.2	14
103	Exploring structure-activity relationship of S-substituted 2-mercaptoquinazolin-4(3H)-one including 4-ethylbenzenesulfonamides as human carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 598-609.	5.2	12
104	Synthesis, anti-inflammatory, cytotoxic, and COX-1/2 inhibitory activities of cyclic imides bearing 3-benzenesulfonamide, oxime, and Î²-phenylalanine scaffolds: a molecular docking study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 610-621.	5.2	16
105	Aryl-4,5-dihydro-1H-pyrazole-1-carboxamide Derivatives Bearing a Sulfonamide Moiety Show Single-digit Nanomolar-to-Subnanomolar Inhibition Constants against the Tumor-associated Human Carbonic Anhydrases IX and XII. International Journal of Molecular Sciences, 2020, 21, 2621.	4.1	5
106	Benzoxepinones: A new isoform-selective class of tumor associated carbonic anhydrase inhibitors. Bioorganic and Medicinal Chemistry, 2020, 28, 115496.	3.0	25
107	The antibiotic furagin and its derivatives are isoform-selective human carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1011-1020.	5.2	27
108	Drug Screening in Human Cells by NMR Spectroscopy Allows the Early Assessment of Drug Potency. Angewandte Chemie, 2020, 132, 6597-6601.	2.0	6

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109	Drug Screening in Human Cells by NMR Spectroscopy Allows the Early Assessment of Drug Potency. Angewandte Chemie - International Edition, 2020, 59, 6535-6539.	13.8	44
110	Phosphorus versus Sulfur: Discovery of Benzenephosphonamidates as Versatile Sulfonamideâ€Mimic Chemotypes Acting as Carbonic Anhydrase Inhibitors. Chemistry - A European Journal, 2019, 25, 1188-1192.	3.3	59
111	Synthesis and inÂvitro evaluation of piperazinyl-ureido sulfamates as steroid sulfatase inhibitors. European Journal of Medicinal Chemistry, 2019, 182, 111614.	5.5	11
112	Advances in the structural annotation of human carbonic anhydrases and impact on future drug discovery. Expert Opinion on Drug Discovery, 2019, 14, 1175-1197.	5.0	123
113	Carbonic anhydrase inhibitors as diuretics. , 2019, , 287-309.		0
114	Carbonic anhydrases from pathogens. , 2019, , 419-448.		1
115	CO2-capture by engineered mammalian carbonic anhydrases. , 2019, , 515-530.		0
116	New anthranilic acid-incorporating N-benzenesulfonamidophthalimides as potent inhibitors of carbonic anhydrases I, II, IX, and XII: Synthesis, inÂvitro testing, and in silico assessment. European Journal of Medicinal Chemistry, 2019, 181, 111573.	5.5	14
117	Structure-activity relationship with pyrazoline-based aromatic sulfamates as carbonic anhydrase isoforms I, II, IX and XII inhibitors: Synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2019, 182, 111638.	5.5	24
118	Bis-benzoxaboroles: Design, Synthesis, and Biological Evaluation as Carbonic Anhydrase Inhibitors. ACS Medicinal Chemistry Letters, 2019, 10, 1205-1210.	2.8	19
119	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.	6.4	39
120	Carbonic anhydrase inhibitors for the treatment of neuropathic pain and arthritis. , 2019, , 367-386.		2
121	Human carbonic anhydrases. , 2019, , 151-185.		17
122	Application of hydrazino and hydrazido linkers to connect benzenesulfonamides with hydrophilic/phobic tails for targeting the middle region of human carbonic anhydrases active site: Selective inhibitors of hCA IX. European Journal of Medicinal Chemistry, 2019, 179, 547-556.	5.5	19
123	Synthesis, biological evaluation and in silico studies with 4-benzylidene-2-phenyl-5(4H)-imidazolone-based benzenesulfonamides as novel selective carbonic anhydrase IX inhibitors endowed with anticancer activity. Bioorganic Chemistry, 2019, 90, 103102.	4.1	21
124	3-Hydrazinoisatin-based benzenesulfonamides as novel carbonic anhydrase inhibitors endowed with anticancer activity: Synthesis, inÂvitro biological evaluation and in silico insights. European Journal of Medicinal Chemistry, 2019, 184, 111768.	5.5	49
125	Extending the Inhibition Profiles of Coumarin-Based Compounds Against Human Carbonic Anhydrases: Synthesis, Biological, and In Silico Evaluation. Molecules, 2019, 24, 3580.	3.8	6
126	Extending the Î³-class carbonic anhydrases inhibition profiles with phenolic compounds. Bioorganic Chemistry, 2019, 93, 103336.	4.1	13

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127	Carbonic anhydrases. , 2019, , 3-16.		13
128	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.	5.5	10
129	Highly hydrophilic 1,3-oxazol-5-yl benzenesulfonamide inhibitors of carbonic anhydrase II for reduction of glaucoma-related intraocular pressure. Bioorganic and Medicinal Chemistry, 2019, 27, 115086.	3.0	10
130	Adrenergic agonists and antagonists as antiglaucoma agents: a literature and patent review (2013â€“2019). Expert Opinion on Therapeutic Patents, 2019, 29, 805-815.	5.0	21
131	Synthesis and comparative carbonic anhydrase inhibition of new Schiffâ€™s bases incorporating benzenesulfonamide, methanesulfonamide, and methylsulfonylbenzene scaffolds. Bioorganic Chemistry, 2019, 92, 103225.	4.1	15
132	Novel 2-substituted-benzimidazole-6-sulfonamides as carbonic anhydrase inhibitors: synthesis, biological evaluation against isoforms I, II, IX and XII and molecular docking studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1697-1710.	5.2	28
133	Continued exploration and tail approach synthesis of benzenesulfonamides containing triazole and dual triazole moieties as carbonic anhydrase I, II, IV and IX inhibitors. European Journal of Medicinal Chemistry, 2019, 183, 111698.	5.5	38
134	A New Kid on the Block? Carbonic Anhydrases as Possible New Targets in Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2019, 20, 4724.	4.1	61
135	Î±-Carbonic anhydrases are strongly activated by spinaceamine derivatives. Bioorganic and Medicinal Chemistry, 2019, 27, 800-804.	3.0	23
136	Phaeodactylum tricornutum as a model organism for testing the membrane penetrability of sulphonamide carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 510-518.	5.2	17
137	Click-tailed benzenesulfonamides as potent bacterial carbonic anhydrase inhibitors for targeting Mycobacterium tuberculosis and Vibrio cholerae. Bioorganic Chemistry, 2019, 86, 183-186.	4.1	15
138	Benzenesulfonamides incorporating nitrogenous bases show effective inhibition of Î²-carbonic anhydrases from the pathogenic fungi Cryptococcus neoformans, Candida glabrata and Malassezia globosa. Bioorganic Chemistry, 2019, 86, 39-43.	4.1	8
139	Selenols: a new class of carbonic anhydrase inhibitors. Chemical Communications, 2019, 55, 648-651.	4.1	56
140	Novel Diamide-Based Benzenesulfonamides as Selective Carbonic Anhydrase IX Inhibitors Endowed with Antitumor Activity: Synthesis, Biological Evaluation and In Silico Insights. International Journal of Molecular Sciences, 2019, 20, 2484.	4.1	21
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