Alessandro Bonardi

List of Publications by Year
in descending order

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31 papers	860 citations	430843 18 h-index	477281 29 g-index
31 all docs	31 docs citations	31 times ranked	698 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	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
4	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
5	Calixarenes Incorporating Sulfonamide Moieties: Versatile Ligands for Carbonic Anhydrases Inhibition. Chemistry - A European Journal, 2022, 28, .	3.3	3
6	Cloning, purification, kinetic and anion inhibition studies of a recombinant Î²-carbonic anhydrase from the Atlantic salmon parasite platyhelminth Gyrodactylus salaris. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1577-1586.	5.2	10
7	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
8	Carbonic Anhydrase IV Selective Inhibitors Counteract the Development of Colitis-Associated Visceral Pain in Rats. Cells, 2021, 10, 2540.	4.1	3
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Synthesis, Computational Studies and Assessment of in Vitro Activity of Squalene Derivatives as Carbonic Anhydrase Inhibitors. ChemMedChem, 2020, 15, 2052-2057.	3.2	4
17	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
18	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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19	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
20	Carbonic anhydrases from pathogens. , 2019, , 419-448.		1
21	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
22	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
23	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
24	Treatment of glaucoma and ocular hypertension using rho kinase inhibitors: patent evaluation of US2018244666 and US2018256595. Expert Opinion on Therapeutic Patents, 2019, 29, 753-759.	5.0	3
25	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
26	Enhancement of the tail hydrophobic interactions within the carbonic anhydrase IX active site via structural extension: Design and synthesis of novel N-substituted isatins-SLC-0111 hybrids as carbonic anhydrase inhibitors and antitumor agents. European Journal of Medicinal Chemistry, 2019, 162, 147-160.	5.5	81
27	N-Nitrosulfonamides as Carbonic Anhydrase Inhibitors: A Promising Chemotype for Targeting Chagas Disease and Leishmaniasis. ACS Medicinal Chemistry Letters, 2019, 10, 413-418.	2.8	21
28	2-Benzylpiperazine: A new scaffold for potent human carbonic anhydrase inhibitors. Synthesis, enzyme inhibition, enantioselectivity, computational and crystallographic studies and inÂvivo activity for a new class of intraocular pressure lowering agents. European Journal of Medicinal Chemistry, 2018, 151, 363-375.	5.5	29
29	Dual-tail arylsulfone-based benzenesulfonamides differently match the hydrophobic and hydrophilic halves of human carbonic anhydrases active sites: Selective inhibitors for the tumor-associated hCA IX isoform. European Journal of Medicinal Chemistry, 2018, 152, 1-9.	5.5	60
30	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.	5.5	45
31	Steroids interfere with human carbonic anhydrase activity by using alternative binding mechanisms. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1453-1459.	5.2	69