Brian P Mahon

List of Publications by Year
in descending order

27	939	516710 16	526287 27
papers	citations	h-index	g-index

28	28	28	1369
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	How Microtubules Build the Spindle Branch by Branch. Annual Review of Cell and Developmental Biology, 2022, 38, 1-23.	9.4	8
2	Biophysical Characterization of Cancer-Related Carbonic Anhydrase IX. International Journal of Molecular Sciences, 2020, 21, 5277.	4.1	4
3	Using neutron crystallography to elucidate the basis of selective inhibition of carbonic anhydrase by saccharin and a derivative. Journal of Structural Biology, 2019, 205, 147-154.	2.8	13
4	Crystal Structure of Cleaved Serp-1, a Myxomavirus-Derived Immune Modulating Serpin: Structural Design of Serpin Reactive Center Loop Peptides with Improved Therapeutic Function. Biochemistry, 2018, 57, 1096-1107.	2.5	22
5	Carbonic anhydrase II microcrystals suitable for XFEL studies. Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 327-330.	0.8	6
6	Active-site solvent replenishment observed during human carbonic anhydrase II catalysis. IUCrJ, 2018, 5, 93-102.	2.2	15
7	Carbonic Anhydrases: Role in pH Control and Cancer. Metabolites, 2018, 8, 19.	2.9	180
8	Structure activity study of carbonic anhydrase IX: Selective inhibition with ureido-substituted benzenesulfonamides. European Journal of Medicinal Chemistry, 2017, 132, 184-191.	5.5	58
9	Exploring Heteroaryl-pyrazole Carboxylic Acids as Human Carbonic Anhydrase XII Inhibitors. ACS Medicinal Chemistry Letters, 2017, 8, 941-946.	2.8	23
10	Structureâ€“Activity Relationships of Benzenesulfonamideâ€Based Inhibitors towards Carbonic Anhydrase Isoform Specificity. ChemBioChem, 2017, 18, 213-222.	2.6	38
11	Microbatch Mixing: â€œShaken not Stirredâ€, a Method for Macromolecular Microcrystal Production for Serial Crystallography. Crystal Growth and Design, 2016, 16, 6214-6221.	3.0	4
12	Effects of Hinge-region Natural Polymorphisms on Human Immunodeficiency Virus-Type 1 Protease Structure, Dynamics, and Drug Pressure Evolution. Journal of Biological Chemistry, 2016, 291, 22741-22756.	3.4	20
13	The Structure of Carbonic Anhydrase IX Is Adapted for Low-pH Catalysis. Biochemistry, 2016, 55, 4642-4653.	2.5	51
14	Sulfonamide inhibition studies of the Î±-carbonic anhydrase from the gammaproteobacterium Thiomicrospira crunogena XCL-2, TcruCA. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 401-405.	2.2	2
15	Kinetic and X-ray crystallographic investigations on carbonic anhydrase isoforms I, II, IX and XII of a thioureido analog of SLC-0111. Bioorganic and Medicinal Chemistry, 2016, 24, 976-981.	3.0	63
16	A sucrose-binding site provides a lead towards an isoform-specific inhibitor of the cancer-associated enzyme carbonic anhydrase IX. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 1352-1358.	0.8	21
17	Exploration of anionic inhibition of the Î±-carbonic anhydrase from Thiomicrospira crunogena XCL-2 gammaproteobacterium: A potential bio-catalytic agent for industrial CO2 removal. Chemical Engineering Science, 2015, 138, 575-580.	3.8	11
18	Observed surface lysine acetylation of human carbonic anhydrase II expressed in Escherichia coli. Protein Science, 2015, 24, 1800-1807.	7.6	6

#	Article	IF	Citations
19	Targeting Carbonic Anhydrase IX Activity and Expression. Molecules, 2015, 20, 2323-2348.	3.8	103
20	Probing the Surface of Human Carbonic Anhydrase for Clues towards the Design of Isoform Specific Inhibitors. BioMed Research International, 2015, 2015, 1-15.	1.9	88
21	Activity and anion inhibition studies of the Î±-carbonic anhydrase from Thiomicrospira crunogena XCL-2 Gammaproteobacterium. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4937-4940.	2.2	8
22	Saccharin: A lead compound for structure-based drug design of carbonic anhydrase IX inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 849-854.	3.0	69
23	Defective Hydrophobic Sliding Mechanism and Active Site Expansion in HIV-1 Protease Drug Resistant Variant Gly48Thr/Leu89Met: Mechanisms for the Loss of Saquinavir Binding Potency. Biochemistry, 2015, 54, 422-433.	2.5	27
24	Targeting aggressive cancers with an artificial sweetener: could saccharin be a lead compound in anticancer therapy?. Future Oncology, 2015, 11, 2117-2119.	2.4	6
25	Mapping Selective Inhibition of the Cancer-Related Carbonic Anhydrase IX Using Structureâ€“Activity Relationships of Glucosyl-Based Sulfamates. Journal of Medicinal Chemistry, 2015, 58, 6630-6638.	6.4	25
26	Structural and biophysical characterization of the Î±-carbonic anhydrase from the gammaproteobacteriumThiomicrospira crunogenaXCL-2: insights into engineering thermostable enzymes for CO₂sequestration. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 1745-1756.	2.5	16
27	Structural Insights into Carbonic Anhydrase IX Isoform Specificity of Carbohydrate-Based Sulfamates. Journal of Medicinal Chemistry, 2014, 57, 8635-8645.	6.4	50