

Brian P Mahon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26
papers

744
citations

15
h-index

27
g-index

28
ext. papers

836
ext. citations

4.4
avg, IF

4.2
L-index

#	Paper	IF	Citations
26	Biophysical Characterization of Cancer-Related Carbonic Anhydrase IX. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
25	Using neutron crystallography to elucidate the basis of selective inhibition of carbonic anhydrase by saccharin and a derivative. <i>Journal of Structural Biology</i> , 2019 , 205, 147-154	3.4	11
24	Carbonic Anhydrases: Role in pH Control and Cancer. <i>Metabolites</i> , 2018 , 8,	5.6	125
23	Crystal Structure of Cleaved Serp-1, a Myxomavirus-Derived Immune Modulating Serpin: Structural Design of Serpin Reactive Center Loop Peptides with Improved Therapeutic Function. <i>Biochemistry</i> , 2018 , 57, 1096-1107	3.2	17
22	Carbonic anhydrase II microcrystals suitable for XFEL studies. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018 , 74, 327-330	1.1	6
21	Active-site solvent replenishment observed during human carbonic anhydrase II catalysis. <i>IUCrJ</i> , 2018 , 5, 93-102	4.7	15
20	Structure activity study of carbonic anhydrase IX: Selective inhibition with ureido-substituted benzenesulfonamides. <i>European Journal of Medicinal Chemistry</i> , 2017 , 132, 184-191	6.8	43
19	Exploring Heteroaryl-pyrazole Carboxylic Acids as Human Carbonic Anhydrase XII Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 941-946	4.3	16
18	Structure-Activity Relationships of Benzenesulfonamide-Based Inhibitors towards Carbonic Anhydrase Isoform Specificity. <i>ChemBioChem</i> , 2017 , 18, 213-222	3.8	35
17	The Structure of Carbonic Anhydrase IX Is Adapted for Low-pH Catalysis. <i>Biochemistry</i> , 2016 , 55, 4642-53,	3.2	42
16	Sulfonamide inhibition studies of the β -carbonic anhydrase from the gammaproteobacterium <i>Thiomicrospira crunogena</i> XCL-2, TcruCA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 401-405	2.9	1
15	Kinetic and X-ray crystallographic investigations on carbonic anhydrase isoforms I, II, IX and XII of a thioureido analog of SLC-0111. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 976-81	3.4	59
14	Microbatch Mixing: "Shaken not Stirred" a Method for Macromolecular Microcrystal Production for Serial Crystallography. <i>Crystal Growth and Design</i> , 2016 , 16, 6214-6221	3.5	4
13	Effects of Hinge-region Natural Polymorphisms on Human Immunodeficiency Virus-Type 1 Protease Structure, Dynamics, and Drug Pressure Evolution. <i>Journal of Biological Chemistry</i> , 2016 , 291, 22741-22756	5.4	13
12	Targeting aggressive cancers with an artificial sweetener: could saccharin be a lead compound in anticancer therapy?. <i>Future Oncology</i> , 2015 , 11, 2117-9	3.6	5
11	Mapping Selective Inhibition of the Cancer-Related Carbonic Anhydrase IX Using Structure-Activity Relationships of Glucosyl-Based Sulfamates. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 6630-8	8.3	22
10	Structural and biophysical characterization of the β -carbonic anhydrase from the gammaproteobacterium <i>Thiomicrospira crunogena</i> XCL-2: insights into engineering thermostable enzymes for CO ₂ sequestration. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015 , 71, 1745-56		13

9	A sucrose-binding site provides a lead towards an isoform-specific inhibitor of the cancer-associated enzyme carbonic anhydrase IX. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015 , 71, 1352-8	1.1	19
8	Exploration of anionic inhibition of the β -carbonic anhydrase from <i>Thiomicrospira crunogena</i> XCL-2 gamma-proteobacterium: A potential bio-catalytic agent for industrial CO ₂ removal. <i>Chemical Engineering Science</i> , 2015 , 138, 575-580	4.4	10
7	Observed surface lysine acetylation of human carbonic anhydrase II expressed in <i>Escherichia coli</i> . <i>Protein Science</i> , 2015 , 24, 1800-7	6.3	6
6	Targeting carbonic anhydrase IX activity and expression. <i>Molecules</i> , 2015 , 20, 2323-48	4.8	83
5	Probing the surface of human carbonic anhydrase for clues towards the design of isoform specific inhibitors. <i>BioMed Research International</i> , 2015 , 2015, 453543	3	66
4	Activity and anion inhibition studies of the β -carbonic anhydrase from <i>Thiomicrospira crunogena</i> XCL-2 Gamma-proteobacterium. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 4937-4940	2.9	7
3	Saccharin: a lead compound for structure-based drug design of carbonic anhydrase IX inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 849-54	3.4	58
2	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. <i>Biochemistry</i> , 2015 , 54, 422-33	3.2	20
1	Structural insights into carbonic anhydrase IX isoform specificity of carbohydrate-based sulfamates. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 8635-45	8.3	47