

Robert McKenna

List of Publications by Year in descending order

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Version: 2024-02-01

242
papers

10,781
citations

22548

61
h-index

54771

88
g-index

248
all docs

248
docs citations

248
times ranked

8344
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural characterization of an envelope-associated adeno-associated virus type 2 capsid. <i>Virology</i> , 2022, 565, 22-28.	1.1	4
2	Structurally Mapping Antigenic Epitopes of Adeno-associated Virus 9: Development of Antibody Escape Variants. <i>Journal of Virology</i> , 2022, 96, JVI0125121.	1.5	11
3	The three-tails approach as a new strategy to improve selectivity of action of sulphonamide inhibitors against tumour-associated carbonic anhydrase IX and XII. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 930-939.	2.5	19
4	Small Molecule Alkoxy Oriented Selectiveness on Human Carbonic Anhydrase II and IX Inhibition. <i>ChemMedChem</i> , 2022, 17, .	1.6	3
5	One-Pot Procedure for the Synthesis of Asymmetric Substituted Ureido Benzene Sulfonamides as Effective Inhibitors of Carbonic Anhydrase Enzymes. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 824-837.	2.9	8
6	Characterization of the Serpentine Adeno-Associated Virus (SAAV) Capsid Structure: Receptor Interactions and Antigenicity. <i>Journal of Virology</i> , 2022, 96, e0033522.	1.5	5
7	Completion of the AAV Structural Atlas: Serotype Capsid Structures Reveals Clade-Specific Features. <i>Viruses</i> , 2021, 13, 101.	1.5	46
8	Handling drug-target selectivity: A study on ureido containing Carbonic Anhydrase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021, 212, 113035.	2.6	10
9	Characterization of the GBoV1 Capsid and Its Antibody Interactions. <i>Viruses</i> , 2021, 13, 330.	1.5	6
10	Inhibition of Carbonic Anhydrase Using SLC-149: Support for a Noncatalytic Function of CAIX in Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1713-1724.	2.9	14
11	pH-Induced Conformational Changes of Human Bocavirus Capsids. <i>Journal of Virology</i> , 2021, 95, .	1.5	4
12	Structural Study of Aavrh.10 Receptor and Antibody Interactions. <i>Journal of Virology</i> , 2021, 95, e0124921.	1.5	8
13	Improved Genome Packaging Efficiency of Adeno-associated Virus Vectors Using Rep Hybrids. <i>Journal of Virology</i> , 2021, 95, e0077321.	1.5	11
14	Receptor Switching in Newly Evolved Adeno-associated Viruses. <i>Journal of Virology</i> , 2021, 95, e0058721.	1.5	12
15	Adeno-associated Virus 9 Structural Rearrangements Induced by Endosomal Trafficking pH and Glycan Attachment. <i>Journal of Virology</i> , 2021, 95, e0084321.	1.5	23
16	Comparative structural, biophysical, and receptor binding study of true type and wild type AAV2. <i>Journal of Structural Biology</i> , 2021, 213, 107795.	1.3	3
17	CAIX forms a transport metabolon with monocarboxylate transporters in human breast cancer cells. <i>Oncogene</i> , 2020, 39, 1710-1723.	2.6	35
18	Characterization of an intermolecular quaternary interaction between discrete segments of the <i>Streptococcus mutans</i> adhesin P1 by NMR spectroscopy. <i>FEBS Journal</i> , 2020, 287, 2597-2611.	2.2	8

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19	âœA Sweet Combinationâœ Developing Saccharin and Acesulfame K Structures for Selectively Targeting the Tumor-Associated Carbonic Anhydrases IX and XII. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 321-333.	2.9	27
20	Comparative Analysis of the Capsid Structures of AAVrh.10, AAVrh.39, and AAV8. <i>Journal of Virology</i> , 2020, 94, .	1.5	38
21	Structural Basis of Nanomolar Inhibition of Tumor-Associated Carbonic Anhydrase IX: X-Ray Crystallographic and Inhibition Study of Lipophilic Inhibitors with Acetazolamide Backbone. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 13064-13075.	2.9	26
22	Molecular biology and structure of a novel penaeid shrimp densovirus elucidate convergent parvoviral host capsid evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20211-20222.	3.3	13
23	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. <i>European Journal of Medicinal Chemistry</i> , 2020, 190, 112112.	2.6	46
24	Biophysical Characterization of Cancer-Related Carbonic Anhydrase IX. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5277.	1.8	4
25	Elucidating the role of metal ions in carbonic anhydrase catalysis. <i>Nature Communications</i> , 2020, 11, 4557.	5.8	60
26	Characterization of AAV-Specific Affinity Ligands: Consequences for Vector Purification and Development Strategies. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 19, 362-373.	1.8	29
27	An arrestin-1 surface opposite of its interface with photoactivated rhodopsin engages with enolase-1. <i>Journal of Biological Chemistry</i> , 2020, 295, 6498-6508.	1.6	4
28	Sulfonamide Inhibitors of Human Carbonic Anhydrases Designed through a Three-Tails Approach: Improving Ligand/Isoform Matching and Selectivity of Action. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 7422-7444.	2.9	75
29	Structural characterization of a bat Adeno-associated virus capsid. <i>Journal of Structural Biology</i> , 2020, 211, 107547.	1.3	10
30	Structural Characterization of Cuta- and Tusavirus: Insight into Protoparvoviruses Capsid Morphology. <i>Viruses</i> , 2020, 12, 653.	1.5	9
31	Adeno-Associated Virus (AAV) Capsid Stability and Liposome Remodeling During Endo/Lysosomal pH Trafficking. <i>Viruses</i> , 2020, 12, 668.	1.5	32
32	Neutron crystallographic studies of carbonic anhydrase. <i>Methods in Enzymology</i> , 2020, 634, 281-309.	0.4	5
33	Deep Analysis of Residue Constraints (DARC): identifying determinants of protein functional specificity. <i>Scientific Reports</i> , 2020, 10, 1691.	1.6	12
34	Aspirin: A Suicide Inhibitor of Carbonic Anhydrase II. <i>Biomolecules</i> , 2020, 10, 527.	1.8	10
35	Structure and mechanism of copperâœcarbonic anhydrase II: a nitrite reductase. <i>IUCr</i> , 2020, 7, 287-293.	1.0	14
36	Structural insights into the effect of active-site mutation on the catalytic mechanism of carbonic anhydrase. <i>IUCr</i> , 2020, 7, 985-994.	1.0	7

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37	β -Carbonic anhydrases. , 2019, , 55-77.		1
38	<i>Pseudomonas aeruginosa</i> β -carbonic anhydrase, psCA1, is required for calcium deposition and contributes to virulence. <i>Cell Calcium</i> , 2019, 84, 102080.	1.1	26
39	Structures of Human Carbonic Anhydrases and Their Complexes with Inhibitors. , 2019, , 179-202.		1
40	A non-catalytic function of carbonic anhydrase IX contributes to the glycolytic phenotype and pH regulation in human breast cancer cells. <i>Biochemical Journal</i> , 2019, 476, 1497-1513.	1.7	26
41	Adeno-Associated Virus VP1u Exhibits Protease Activity. <i>Viruses</i> , 2019, 11, 399.	1.5	12
42	Synthesis of saccharin-glycoconjugates targeting carbonic anhydrase using a one-pot cyclization/deprotection strategy. <i>Carbohydrate Research</i> , 2019, 476, 65-70.	1.1	8
43	3,1,7 β -Bis-sulfamoyloxy-2-methoxyestra-1,3,5(10)-triene and Nonsteroidal Sulfamate Derivatives Inhibit Carbonic Anhydrase IX: Structure-Activity Optimization for Isoform Selectivity. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2202-2212.	2.9	14
44	Next Generation Sequencing of the Pig β TCR Repertoire Identifies the Porcine Invariant NKT Cell Receptor. <i>Journal of Immunology</i> , 2019, 202, 1981-1991.	0.4	15
45	Membrane-anchored carbonic anhydrase IV interacts with monocarboxylate transporters via their chaperones CD147 and GP70. <i>Journal of Biological Chemistry</i> , 2019, 294, 593-607.	1.6	26
46	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.	1.3	13
47	High-Resolution Structural Characterization of a New Adeno-associated Virus Serotype 5 Antibody Epitope toward Engineering Antibody-Resistant Recombinant Gene Delivery Vectors. <i>Journal of Virology</i> , 2019, 93, .	1.5	37
48	Carbonic anhydrase II in complex with carboxylic acid-based inhibitors. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 166-170.	0.4	7
49	Selective Inhibitor Design Toward CA IX For Breast Cancer Treatment Using Carbohydrate-Based Compounds. <i>FASEB Journal</i> , 2019, 33, .	0.2	0
50	Carbonic anhydrase II does not exhibit Nitrite reductase or Nitrous Anhydrase Activity. <i>Free Radical Biology and Medicine</i> , 2018, 117, 1-5.	1.3	21
51	"To Be or Not to Be" Protonated: Atomic Details of Human Carbonic Anhydrase-Clinical Drug Complexes by Neutron Crystallography and Simulation. <i>Structure</i> , 2018, 26, 383-390.e3.	1.6	40
52	Crystal Structure of Carbonic Anhydrase II in Complex with an Activating Ligand: Implications in Neuronal Function. <i>Molecular Neurobiology</i> , 2018, 55, 7431-7437.	1.9	26
53	"Seriously Sweet" Acesulfame K Exhibits Selective Inhibition Using Alternative Binding Modes in Carbonic Anhydrase Isoforms. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1176-1181.	2.9	16
54	Characterization of a novel variant in siblings with Asparagine Synthetase Deficiency. <i>Molecular Genetics and Metabolism</i> , 2018, 123, 317-325.	0.5	23

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55	AAV6 K531 serves a dual function in selective receptor and antibody ADK6 recognition. <i>Virology</i> , 2018, 518, 369-376.	1.1	20
56	U1H-001 cells: A novel triple negative, CAIX-positive, human breast cancer model system. <i>Cancer Biology and Therapy</i> , 2018, 19, 598-608.	1.5	12
57	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.	1.2	22
58	Short AÎ ² peptides attenuate AÎ ² 42 toxicity in vivo. <i>Journal of Experimental Medicine</i> , 2018, 215, 283-301.	4.2	56
59	Structural Characterization of Emerging Pathogenic Human Parvoviruses. <i>Microscopy and Microanalysis</i> , 2018, 24, 1214-1215.	0.2	2
60	Selective inhibition of carbonic anhydrase IX over carbonic anhydrase XII in breast cancer cells using benzene sulfonamides: Disconnect between activity and growth inhibition. <i>PLoS ONE</i> , 2018, 13, e0207417.	1.1	32
61	Assembly and disassembly intermediates of maize streak geminivirus. <i>Virology</i> , 2018, 525, 224-236.	1.1	9
62	Crystallography and Its Impact on Carbonic Anhydrase Research. <i>International Journal of Medicinal Chemistry</i> , 2018, 2018, 1-21.	2.2	37
63	Atomic Resolution Structures of Human Bufoviruses Determined by Cryo-Electron Microscopy. <i>Viruses</i> , 2018, 10, 22.	1.5	20
64	Sub-2Å... Ewald curvature corrected structure of an AAV2 capsid variant. <i>Nature Communications</i> , 2018, 9, 3628.	5.8	73
65	Methods for Determining and Understanding Serpin Structure and Function: X-Ray Crystallography. <i>Methods in Molecular Biology</i> , 2018, 1826, 9-39.	0.4	2
66	Atomic structure of a rationally engineered gene delivery vector, AAV2.5. <i>Journal of Structural Biology</i> , 2018, 203, 236-241.	1.3	24
67	Carbonic anhydrase II microcrystals suitable for XFEL studies. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 327-330.	0.4	6
68	Discovery of Î ² -Adrenergic Receptors Blockerâ€“Carbonic Anhydrase Inhibitor Hybrids for Multitargeted Antiglaucoma Therapy. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5380-5394.	2.9	53
69	Active-site solvent replenishment observed during human carbonic anhydrase II catalysis. <i>IUCr</i> , 2018, 5, 93-102.	1.0	15
70	Differential expression and function of CAIX and CAXII in breast cancer: A comparison between tumorgraft models and cells. <i>PLoS ONE</i> , 2018, 13, e0199476.	1.1	47
71	Cancer Drug Development of Carbonic Anhydrase Inhibitors beyond the Active Site. <i>Molecules</i> , 2018, 23, 1045.	1.7	93
72	Carbonic Anhydrases: Role in pH Control and Cancer. <i>Metabolites</i> , 2018, 8, 19.	1.3	180

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73	Sweet Binders: Carbonic Anhydrase IX in Complex with Sucralose. ACS Medicinal Chemistry Letters, 2018, 9, 657-661.	1.3	10
74	Biophysical, Biochemical, and Cell Based Approaches Used to Decipher the Role of Carbonic Anhydrases in Cancer and to Evaluate the Potency of Targeted Inhibitors. International Journal of Medicinal Chemistry, 2018, 2018, 1-18.	2.2	4
75	Structural Mapping of Anion Inhibitors to β -Carbonic Anhydrase psCA3 from <i>Pseudomonas aeruginosa</i> . ChemMedChem, 2018, 13, 2024-2029.	1.6	23
76	Structural Insights into Human Bocaparvoviruses. Journal of Virology, 2017, 91, .	1.5	37
77	Structure activity study of carbonic anhydrase IX: Selective inhibition with ureido-substituted benzenesulfonamides. European Journal of Medicinal Chemistry, 2017, 132, 184-191.	2.6	58
78	Asparagine synthetase: Function, structure, and role in disease. Journal of Biological Chemistry, 2017, 292, 19952-19958.	1.6	197
79	Entropic Anomaly Observed in Lipid Polymorphisms Induced by Surfactant Peptide SP-B(1-25). Journal of Physical Chemistry B, 2017, 121, 9102-9112.	1.2	2
80	Exploring Heteroaryl-pyrazole Carboxylic Acids as Human Carbonic Anhydrase XII Inhibitors. ACS Medicinal Chemistry Letters, 2017, 8, 941-946.	1.3	23
81	Thermal Stability as a Determinant of AAV Serotype Identity. Molecular Therapy - Methods and Clinical Development, 2017, 6, 171-182.	1.8	95
82	Discovery of New Sulfonamide Carbonic Anhydrase IX Inhibitors Incorporating Nitrogenous Bases. ACS Medicinal Chemistry Letters, 2017, 8, 1314-1319.	1.3	61
83	Parvovirus Capsid Structures Required for Infection: Mutations Controlling Receptor Recognition and Protease Cleavages. Journal of Virology, 2017, 91, .	1.5	23
84	Structure-Activity Relationships of Benzenesulfonamide-Based Inhibitors towards Carbonic Anhydrase Isoform Specificity. ChemBioChem, 2017, 18, 213-222.	1.3	38
85	Atomic Resolution Structure of the Oncolytic Parvovirus Lull3 by Electron Microscopy and 3D Image Reconstruction. Viruses, 2017, 9, 321.	1.5	6
86	Characteristics of candidate genes associated with embryonic development in the cow: Evidence for a role for WBP1 in development to the blastocyst stage. PLoS ONE, 2017, 12, e0178041.	1.1	16
87	Non-Classical Inhibition of Carbonic Anhydrase. International Journal of Molecular Sciences, 2016, 17, 1150.	1.8	98
88	Structural Rearrangements in R432A Variant of AAV2 Affect Genome Packaging. Microscopy and Microanalysis, 2016, 22, 1134-1135.	0.2	0
89	Carbonic anhydrase inhibitors: a review on the progress of patent literature (2011-2016). Expert Opinion on Therapeutic Patents, 2016, 26, 947-956.	2.4	40
90	Tracking solvent and protein movement during CO ₂ release in carbonic anhydrase II crystals. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5257-5262.	3.3	30

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91	Characterization of the Adeno-Associated Virus 1 and 6 Sialic Acid Binding Site. <i>Journal of Virology</i> , 2016, 90, 5219-5230.	1.5	63
92	Neutron structure of human carbonic anhydrase II in complex with methazolamide: mapping the solvent and hydrogen-bonding patterns of an effective clinical drug. <i>IUCr</i> , 2016, 3, 319-325.	1.0	27
93	Microbatch Mixing: "Shaken not Stirred", a Method for Macromolecular Microcrystal Production for Serial Crystallography. <i>Crystal Growth and Design</i> , 2016, 16, 6214-6221.	1.4	4
94	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.	1.6	20
95	Generation and characterization of anti-Adeno-associated virus serotype 8 (AAV8) and anti-AAV9 monoclonal antibodies. <i>Journal of Virological Methods</i> , 2016, 236, 105-110.	1.0	22
96	Cryoannealing-induced space-group transition of crystals of the carbonic anhydrase psCA3. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 573-577.	0.4	5
97	Cryo-electron Microscopy Reconstruction and Stability Studies of the Wild Type and the R432A Variant of Adeno-associated Virus Type 2 Reveal that Capsid Structural Stability Is a Major Factor in Genome Packaging. <i>Journal of Virology</i> , 2016, 90, 8542-8551.	1.5	39
98	The Structure of Carbonic Anhydrase IX Is Adapted for Low-pH Catalysis. <i>Biochemistry</i> , 2016, 55, 4642-4653.	1.2	51
99	Solution structure of an "open" E. coli Pol III clamp loader sliding clamp complex. <i>Journal of Structural Biology</i> , 2016, 194, 272-281.	1.3	4
100	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.	1.0	2
101	Mapping Antigenic Epitopes on the Human Bocavirus Capsid. <i>Journal of Virology</i> , 2016, 90, 4670-4680.	1.5	28
102	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, 976-981.	1.4	63
103	Advances in Anti-Cancer Drug Development Targeting Carbonic Anhydrase IX and XII. , 2016, , 3-42.		21
104	Hypoxia-induced carbonic anhydrase IX facilitates lactate flux in human breast cancer cells by non-catalytic function. <i>Scientific Reports</i> , 2015, 5, 13605.	1.6	109
105	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, 1352-1358.	0.4	21
106	Solution study of the Escherichia coli DNA polymerase III clamp loader reveals the location of the dynamic β heterodimer. <i>Structural Dynamics</i> , 2015, 2, 054701.	0.9	5
107	Exploration of anionic inhibition of the β -carbonic anhydrase from <i>Thiomicrospira crunogena</i> XCL-2 gammaproteobacterium: A potential bio-catalytic agent for industrial CO ₂ removal. <i>Chemical Engineering Science</i> , 2015, 138, 575-580.	1.9	11
108	Observed surface lysine acetylation of human carbonic anhydrase II expressed in <i>Escherichia coli</i> . <i>Protein Science</i> , 2015, 24, 1800-1807.	3.1	6

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109	Carbonic Anhydrases: Nature Way to Balance CO ₂ Concentration. <i>Biochemistry & Molecular Biology Journal</i> , 2015, 1, .	0.3	1
110	Industrial CO ₂ Removal Using Carbonic Anhydrase: Potential, Promise and Challenges. <i>Journal of Thermodynamics & Catalysis</i> , 2015, 06, .	0.2	1
111	Targeting Carbonic Anhydrase IX Activity and Expression. <i>Molecules</i> , 2015, 20, 2323-2348.	1.7	103
112	Probing the Surface of Human Carbonic Anhydrase for Clues towards the Design of Isoform Specific Inhibitors. <i>BioMed Research International</i> , 2015, 2015, 1-15.	0.9	88
113	Carbonic Anhydrase III. , 2015, , 91-108.		1
114	Joint neutron crystallographic and NMR solution studies of Tyr residue ionization and hydrogen bonding: Implications for enzyme-mediated proton transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5673-5678.	3.3	36
115	Activity and anion inhibition studies of the Î±-carbonic anhydrase from <i>Thiomicrospira crunogena</i> XCL-2 <i>Gammaproteobacterium</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4937-4940.	1.0	8
116	Carbon Dioxide â€œTrappedâ€ in a Î²-Carbonic Anhydrase. <i>Biochemistry</i> , 2015, 54, 6631-6638.	1.2	24
117	Saccharin: A lead compound for structure-based drug design of carbonic anhydrase IX inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 849-854.	1.4	69
118	Structure of an Enteric Pathogen, Bovine Parvovirus. <i>Journal of Virology</i> , 2015, 89, 2603-2614.	1.5	39
119	Analysis of the Binding Moiety Mediating the Interaction between Monocarboxylate Transporters and Carbonic Anhydrase II. <i>Journal of Biological Chemistry</i> , 2015, 290, 4476-4486.	1.6	30
120	A class of sulfonamide carbonic anhydrase inhibitors with neuropathic pain modulating effects. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1828-1840.	1.4	126
121	Targeting aggressive cancers with an artificial sweetener: could saccharin be a lead compound in anticancer therapy?. <i>Future Oncology</i> , 2015, 11, 2117-2119.	1.1	6
122	Mapping Selective Inhibition of the Cancer-Related Carbonic Anhydrase IX Using Structureâ€œActivity Relationships of Glucosyl-Based Sulfamates. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 6630-6638.	2.9	25
123	Engineered Mammalian Carbonic Anhydrases for CO ₂ Capture. , 2015, , 291-309.		2
124	Structure and inhibition studies of a type II beta-carbonic anhydrase psCA3 from <i>Pseudomonas aeruginosa</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4831-4838.	1.4	56
125	Structural and catalytic effects of proline substitution and surface loop deletion in the extended active site of human carbonic anhydrase <sc>II</sc>. <i>FEBS Journal</i> , 2015, 282, 1445-1457.	2.2	35
126	Structural and biophysical characterization of the Î±-carbonic anhydrase from the <i>gammaproteobacterium</i> <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, 1745-1756.	2.5	16

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127	Structure of neurotropic adeno-associated virus AAVrh.8. <i>Journal of Structural Biology</i> , 2015, 192, 21-36.	1.3	47
128	Adeno-Associated Virus Serotype 1 (AAV1)- and AAV5-Antibody Complex Structures Reveal Evolutionary Commonalities in Parvovirus Antigenic Reactivity. <i>Journal of Virology</i> , 2015, 89, 1794-1808.	1.5	64
129	Hypoxia-induced carbonic anhydrase IX facilitates lactate transport in human breast cancer cells by non-catalytic interaction. <i>FASEB Journal</i> , 2015, 29, 725.7.	0.2	0
130	Advances in Anti-Cancer Drug Development Targeting Carbonic Anhydrase IX and XII. <i>Topics in Anti-cancer Research</i> , 2015, 5, 3-42.	0.2	16
131	Structural insight into activity enhancement and inhibition of H64A carbonic anhydrase II by imidazoles. <i>IUCr</i> , 2014, 1, 129-135.	1.0	31
132	A Class of 4-Sulfamoylphenyl- α -aminoalkyl Ethers with Effective Carbonic Anhydrase Inhibitory Action and Antiglaucoma Effects. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9673-9686.	2.9	46
133	Adeno-Associated Virus Capsid Proteins May Play a Role in Transcription and Second-Strand Synthesis of Recombinant Genomes. <i>Journal of Virology</i> , 2014, 88, 1071-1079.	1.5	53
134	Carbonic Anhydrase Inhibitors Drug Design. <i>Sub-Cellular Biochemistry</i> , 2014, 75, 291-323.	1.0	96
135	Human carbonic anhydrase II-cyanate inhibitor complex: putting the debate to rest. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1324-1327.	0.4	3
136	Structural elucidation of the hormonal inhibition mechanism of the bile acid cholate on human carbonic anhydrase II. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1758-1763.	2.5	19
137	Preliminary X-ray crystallographic analysis of glutathione transferase zeta 1 (GSTZ1a-1a). <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 187-189.	0.4	3
138	Structural Insights into Carbonic Anhydrase IX Isoform Specificity of Carbohydrate-Based Sulfamates. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8635-8645.	2.9	50
139	An intramolecular lock facilitates folding and stabilizes the tertiary structure of <i>Streptococcus mutans</i> adhesin P1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15746-15751.	3.3	28
140	Amiloride inhibits the initiation of Coxsackievirus and poliovirus RNA replication by inhibiting VPg uridylation. <i>Virology</i> , 2014, 464-465, 87-97.	1.1	8
141	The Role of Select Subtype Polymorphisms on HIV-1 Protease Conformational Sampling and Dynamics. <i>Journal of Biological Chemistry</i> , 2014, 289, 17203-17214.	1.6	43
142	Carbonic Anhydrase Inhibition with Benzenesulfonamides and Tetrafluorobenzenesulfonamides Obtained via Click Chemistry. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 927-930.	1.3	48
143	Uric acid inhibition of dipeptidyl peptidase IV in vitro is dependent on the intracellular formation of triuret. <i>Experimental Cell Research</i> , 2014, 326, 136-142.	1.2	5
144	The structure of AAVrh32.33, a novel gene delivery vector. <i>Journal of Structural Biology</i> , 2014, 186, 308-317.	1.3	31

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145	Overview of the Carbonic Anhydrase Family. <i>Sub-Cellular Biochemistry</i> , 2014, 75, 3-5.	1.0	24
146	Profiling of Glycan Receptors for Minute Virus of Mice in Permissive Cell Lines Towards Understanding the Mechanism of Cell Recognition. <i>PLoS ONE</i> , 2014, 9, e86909.	1.1	14
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