

Stephen G Aller

List of Publications by Year in descending order

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31
papers

3,401
citations

567144

15
h-index

454834

30
g-index

35
all docs

35
docs citations

35
times ranked

4113
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of P-Glycoprotein Reveals a Molecular Basis for Poly-Specific Drug Binding. <i>Science</i> , 2009, 323, 1718-1722.	6.0	1,788
2	Refined structures of mouse P-glycoprotein. <i>Protein Science</i> , 2014, 23, 34-46.	3.1	319
3	Three-dimensional structure of the human copper transporter hCTR1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4237-4242.	3.3	243
4	Projection structure of the human copper transporter CTR1 at 6-Å resolution reveals a compact trimer with a novel channel-like architecture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3627-3632.	3.3	186
5	Structural and functional diversity calls for a new classification of ABC transporters. <i>FEBS Letters</i> , 2020, 594, 3767-3775.	1.3	169
6	The membrane protein FeoB contains an intramolecular G protein essential for Fe(II) uptake in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16243-16248.	3.3	140
7	Eukaryotic CTR Copper Uptake Transporters Require Two Faces of the Third Transmembrane Domain for Helix Packing, Oligomerization, and Function. <i>Journal of Biological Chemistry</i> , 2004, 279, 53435-53441.	1.6	92
8	Vasoactive intestinal peptide, forskolin, and genistein increase apical CFTR trafficking in the rectal gland of the spiny dogfish, <i>Squalus acanthias</i> . Acute regulation of CFTR trafficking in an intact epithelium. <i>Journal of Clinical Investigation</i> , 1998, 101, 737-745.	3.9	88
9	A structural perspective on copper uptake in eukaryotes. <i>BioMetals</i> , 2007, 20, 705-716.	1.8	70
10	Cloning, characterization, and functional expression of a CNP receptor regulating CFTR in the shark rectal gland. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 276, C442-C449.	2.1	52
11	Equilibrated Atomic Models of Outward-Facing P-glycoprotein and Effect of ATP Binding on Structural Dynamics. <i>Scientific Reports</i> , 2015, 5, 7880.	1.6	35
12	Mercury and zinc differentially inhibit shark and human CFTR orthologues: involvement of shark cysteine 102. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C793-C801.	2.1	24
13	Structural definition of polyspecific compensatory ligand recognition by P-glycoprotein. <i>IUCr</i> , 2020, 7, 663-672.	1.0	24
14	Evaluation of 1,2,3-triazoles as Amide Bioisosteres In Cystic Fibrosis Transmembrane Conductance Regulator Modulators VX-770 and VX-809. <i>Chemistry - A European Journal</i> , 2019, 25, 3662-3674.	1.7	20
15	Molecular and functional characterization of s-KCNQ1 potassium channel from rectal gland of <i>Squalus acanthias</i> . <i>Pflugers Archiv European Journal of Physiology</i> , 1999, 437, 298-304.	1.3	17
16	Crystal structure of <i>Yersinia pestis</i> virulence factor YfeA reveals two polyspecific metal-binding sites. <i>Acta Crystallographica Section D: Structural Biology</i> , 2017, 73, 557-572.	1.1	15
17	Mercury toxicity in the shark (<i>Squalus acanthias</i>) rectal gland: apical CFTR chloride channels are inhibited by mercuric chloride. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2006, 305A, 259-267.	1.3	14
18	Allosteric Role of Substrate Occupancy Toward the Alignment of P-glycoprotein Nucleotide Binding Domains. <i>Scientific Reports</i> , 2018, 8, 14643.	1.6	14

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19	In Vitro Evolution and Affinity-Maturation with Coliphage Q $\hat{1}^2$ Display. PLoS ONE, 2014, 9, e113069.	1.1	14
20	Cadmium disrupts the signal transduction pathway of both inhibitory and stimulatory receptors regulating chloride secretion in the shark rectal gland. , 1997, 279, 530-536.		13
21	ICAM-2 confers a non-metastatic phenotype in neuroblastoma cells by interaction with $\hat{1}\pm$ -actinin. Oncogene, 2015, 34, 1553-1562.	2.6	13
22	Tools and Procedures for Visualization of Proteins and Other Biomolecules. Current Protocols in Molecular Biology, 2015, 110, 19.12.1-19.12.47.	2.9	8
23	Structures of the substrate-binding protein YfeA in apo and zinc-reconstituted holo forms. Acta Crystallographica Section D: Structural Biology, 2019, 75, 831-840.	1.1	8
24	Structural Consequences of the 1,2,3- $\hat{1}$ Triazole as an Amide Bioisostere in Analogues of the Cystic Fibrosis Drugs VX $\hat{1}809\hat{1}$ and VX $\hat{1}770$. ChemMedChem, 2020, 15, 1720-1730.	1.6	7
25	Conformational flexibility of apolipoprotein A-I amino- and carboxy-termini is necessary for lipid binding but not cholesterol efflux. Journal of Lipid Research, 2022, 63, 100168.	2.0	7
26	Simulation of lipid-protein interactions with the CgProt force field. AIMS Molecular Science, 2017, 4, 352-369.	0.3	6
27	The crystal structure of the <i>Yersinia pestis</i> iron chaperone YiuA reveals a basic triad binding motif for the chelated metal. Acta Crystallographica Section D: Structural Biology, 2017, 73, 921-939.	1.1	5
28	The regulatory domains of the lipid exporter ABCA1 form domain swapped latches. PLoS ONE, 2022, 17, e0262746.	1.1	4
29	A nonolfactory shark adenosine receptor activates CFTR with unique pharmacology and structural features. American Journal of Physiology - Cell Physiology, 2021, 320, C892-C901.	2.1	3
30	Site 2 of the <i>Yersinia pestis</i> substrate-binding protein YfeA is a dynamic surface metal-binding site. Acta Crystallographica Section F, Structural Biology Communications, 2021, 77, 286-293.	0.4	1
31	Essential Metal Uptake in Gram-negative Bacteria: X-ray Fluorescence, Radioisotopes, and Cell Fractionation. Journal of Visualized Experiments, 2018, , .	0.2	0