

# Stephen G Aller

## List of Publications by Citations

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30  
papers

2,886  
citations

13  
h-index

35  
g-index

35  
ext. papers

3,142  
ext. citations

6.4  
avg, IF

4.82  
L-index

#	Paper	IF	Citations
30	Structure of P-glycoprotein reveals a molecular basis for poly-specific drug binding. <i>Science</i> , <b>2009</b> , 323, 1718-22	33.3	1586
29	Refined structures of mouse P-glycoprotein. <i>Protein Science</i> , <b>2014</b> , 23, 34-46	6.3	281
28	Three-dimensional structure of the human copper transporter hCTR1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 4237-42	11.5	209
27	Projection structure of the human copper transporter CTR1 at 6-A 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> , <b>2006</b> , 103, 3627-32	11.5	177
26	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> , <b>2002</b> , 99, 16243-8	11.5	118
25	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> , <b>2004</b> , 279, 53435-41	5.4	85
24	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> , <b>1998</b> , 101, 737-45	15.9	77
23	Structural and functional diversity calls for a new classification of ABC transporters. <i>FEBS Letters</i> , <b>2020</b> , 594, 3767-3775	3.8	66
22	A structural perspective on copper uptake in eukaryotes. <i>BioMetals</i> , <b>2007</b> , 20, 705-16	3.4	61
21	Cloning, characterization, and functional expression of a CNP receptor regulating CFTR in the shark rectal gland. <i>American Journal of Physiology - Cell Physiology</i> , <b>1999</b> , 276, C442-9	5.4	49
20	Equilibrated atomic models of outward-facing P-glycoprotein and effect of ATP binding on structural dynamics. <i>Scientific Reports</i> , <b>2015</b> , 5, 7880	4.9	32
19	Mercury and zinc differentially inhibit shark and human CFTR orthologues: involvement of shark cysteine 102. <i>American Journal of Physiology - Cell Physiology</i> , <b>2006</b> , 290, C793-801	5.4	23
18	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> , <b>2006</b> , 305, 259-67		14
17	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> , <b>1999</b> , 437, 298-304	4.6	13
16	Structural definition of polyspecific compensatory ligand recognition by P-glycoprotein. <i>IUCrJ</i> , <b>2020</b> , 7, 663-672	4.7	12
15	Cadmium disrupts the signal transduction pathway of both inhibitory and stimulatory receptors regulating chloride secretion in the shark rectal gland. <i>The Journal of Experimental Zoology</i> , <b>1997</b> , 279, 530-6		11
14	Allosteric Role of Substrate Occupancy Toward the Alignment of P-glycoprotein Nucleotide Binding Domains. <i>Scientific Reports</i> , <b>2018</b> , 8, 14643	4.9	11

13	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> , <b>2019</b> , 25, 3662-3674	4.8	9
12	Crystal structure of <i>Yersinia pestis</i> virulence factor YfeA reveals two polyspecific metal-binding sites. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2017</b> , 73, 557-572	5.5	8
11	In vitro evolution and affinity-maturation with Coliphage q $\beta$ display. <i>PLoS ONE</i> , <b>2014</b> , 9, e113069	3.7	8
10	ICAM-2 confers a non-metastatic phenotype in neuroblastoma cells by interaction with Ectinin. <i>Oncogene</i> , <b>2015</b> , 34, 1553-62	9.2	6
9	Structures of the substrate-binding protein YfeA in apo and zinc-reconstituted holo forms. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2019</b> , 75, 831-840	5.5	6
8	Simulation of lipid-protein interactions with the CgProt force field. <i>AIMS Molecular Science</i> , <b>2017</b> , 4, 352-369	3.69	6
7	Structural Consequences of the 1,2,3-Triazole as an Amide Bioisostere in Analogues of the Cystic Fibrosis Drugs VX-809 and VX-770. <i>ChemMedChem</i> , <b>2020</b> , 15, 1720-1730	3.7	4
6	The crystal structure of the <i>Yersinia pestis</i> iron chaperone YiuA reveals a basic triad binding motif for the chelated metal. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2017</b> , 73, 921-939	5.5	4
5	Tools and procedures for visualization of proteins and other biomolecules. <i>Current Protocols in Molecular Biology</i> , <b>2015</b> , 110, 19.12.1-19.12.47	2.9	4
4	Conformational Flexibility of Apolipoprotein A-I amino- and carboxy-Termini is necessary for Lipid Binding but not Cholesterol Efflux.. <i>Journal of Lipid Research</i> , <b>2022</b> , 100168	6.3	1
3	The regulatory domains of the lipid exporter ABCA1 form domain swapped latches.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0262746	3.7	1
2	A nonolfactory shark adenosine receptor activates CFTR with unique pharmacology and structural features. <i>American Journal of Physiology - Cell Physiology</i> , <b>2021</b> , 320, C892-C901	5.4	1
1	Site 2 of the <i>Yersinia pestis</i> substrate-binding protein YfeA is a dynamic surface metal-binding site. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2021</b> , 77, 286-293	1.1	1