David L Stokes

List of Publications by Year
in descending order

27 papers	1,411 citations	567281 15 h-index	552781 26 g-index
54 all docs	54 docs citations	54 times ranked	1955 citing authors

#	Article	IF	Citations
1	Structures and mechanism of the plant PIN-FORMED auxin transporter. Nature, 2022, 609, 605-610.	27.8	58
2	Zinc binding alters the conformational dynamics and drives the transport cycle of the cation diffusion facilitator YiiP. Journal of General Physiology, 2021, 153, .	1.9	14
3	Structural basis for potassium transport in prokaryotes by KdpFABC. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
4	An Intracellular Pathway Controlled by the N-terminus of the Pump Subunit Inhibits the Bacterial KdpFABC Ion Pump in High K+ Conditions. Journal of Molecular Biology, 2021, 433, 167008.	4.2	3
5	Serine phosphorylation regulates the P-type potassium pump KdpFABC. ELife, 2020, 9, .	6.0	16
6	The KdpFABC complex â€“ K⁺transport against all odds. Molecular Membrane Biology, 2019, 35, 21-38.	2.0	18
7	Structural basis for the alternating access mechanism of the cation diffusion facilitator YiiP. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3042-3047.	7.1	54
8	Integrative structure and functional anatomy of a nuclear pore complex. Nature, 2018, 555, 475-482.	27.8	435
9	Molecular Architecture of the Major Membrane Ring Component of the Nuclear Pore Complex. Structure, 2017, 25, 434-445.	3.3	61
10	Crystal structure of the potassium-importing KdpFABC membrane complex. Nature, 2017, 546, 681-685.	27.8	59
11	Structure of the SLC4 transporter Bor1p in an inwardâ€facing conformation. Protein Science, 2017, 26, 130-145.	7.6	34
12	Image-based model of the spectrin cytoskeleton for red blood cell simulation. PLoS Computational Biology, 2017, 13, e1005790.	3.2	15
13	Deducing the symmetry of helical assemblies: Applications to membrane proteins. Journal of Structural Biology, 2016, 195, 167-178.	2.8	10
14	Purification and analysis of endogenous human RNA exosome complexes. Rna, 2016, 22, 1467-1475.	3.5	13
15	Structure and Function of the Nuclear Pore Complex Cytoplasmic mRNA Export Platform. Cell, 2016, 167, 1215-1228.e25.	28.9	148
16	Two-Dimensional Crystallization of Membrane Proteins: Screening Strategies. Microscopy and Microanalysis, 2014, 20, 1210-1211.	0.4	0
17	Inward-facing conformation of the zinc transporter YiiP revealed by cryoelectron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2140-2145.	7.1	95
18	High-Throughput Methods for Electron Crystallography. Methods in Molecular Biology, 2013, 955, 273-296.	0.9	4

#	Article	IF	Citations
19	An automated pipeline to screen membrane protein 2D crystallization. Journal of Structural and Functional Genomics, 2010, 11, 155-166.	1.2	19
20	Two-Dimensional Crystallization of Integral Membrane Proteins for Electron Crystallography. Methods in Molecular Biology, 2010, 654, 187-205.	0.9	12
21	Plakoglobin Is Required for Effective Intermediate Filament Anchorage to Desmosomes. Journal of Investigative Dermatology, 2008, 128, 2665-2675.	0.7	48
22	Desmosomes from a structural perspective. Current Opinion in Cell Biology, 2007, 19, 565-571.	5.4	54
23	Interactions between Ca2+-ATPase and the Pentameric Form of Phospholamban in Two-Dimensional Co-Crystals. Biophysical Journal, 2006, 90, 4213-4223.	0.5	47
24	Structural Studies of a Stabilized Phosphoenzyme Intermediate of Ca2+-ATPase. Journal of Biological Chemistry, 2005, 280, 18063-18072.	3.4	19
25	3D Tomographic Map of Desmosome from Frozen-hydrated Skin Sections. Microscopy and Microanalysis, 2004, 10, 1188-1189.	0.4	5
26	Structure and Function of the Calcium Pump. Annual Review of Biophysics and Biomolecular Structure, 2003, 32, 445-468.	18.3	87
27	Calcium transport across the sarcoplasmic reticulum. FEBS Journal, 2000, 267, 5274-5279.	0.2	67