

David L Stokes

List of Publications by Year in descending order

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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	Integrative structure and functional anatomy of a nuclear pore complex. <i>Nature</i> , 2018, 555, 475-482.	27.8	435
2	Structure and Function of the Nuclear Pore Complex Cytoplasmic mRNA Export Platform. <i>Cell</i> , 2016, 167, 1215-1228.e25.	28.9	148
3	Inward-facing conformation of the zinc transporter YiiP revealed by cryoelectron microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2140-2145.	7.1	95
4	Structure and Function of the Calcium Pump. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 2003, 32, 445-468.	18.3	87
5	Calcium transport across the sarcoplasmic reticulum. <i>FEBS Journal</i> , 2000, 267, 5274-5279.	0.2	67
6	Molecular Architecture of the Major Membrane Ring Component of the Nuclear Pore Complex. <i>Structure</i> , 2017, 25, 434-445.	3.3	61
7	Crystal structure of the potassium-importing KdpFABC membrane complex. <i>Nature</i> , 2017, 546, 681-685.	27.8	59
8	Structures and mechanism of the plant PIN-FORMED auxin transporter. <i>Nature</i> , 2022, 609, 605-610.	27.8	58
9	Desmosomes from a structural perspective. <i>Current Opinion in Cell Biology</i> , 2007, 19, 565-571.	5.4	54
10	Structural basis for the alternating access mechanism of the cation diffusion facilitator YiiP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3042-3047.	7.1	54
11	Plakoglobin Is Required for Effective Intermediate Filament Anchorage to Desmosomes. <i>Journal of Investigative Dermatology</i> , 2008, 128, 2665-2675.	0.7	48
12	Interactions between Ca ²⁺ -ATPase and the Pentameric Form of Phospholamban in Two-Dimensional Co-Crystals. <i>Biophysical Journal</i> , 2006, 90, 4213-4223.	0.5	47
13	Structure of the SLC4 transporter Bor1p in an inward-facing conformation. <i>Protein Science</i> , 2017, 26, 130-145.	7.6	34
14	Structural Studies of a Stabilized Phosphoenzyme Intermediate of Ca ²⁺ -ATPase. <i>Journal of Biological Chemistry</i> , 2005, 280, 18063-18072.	3.4	19
15	An automated pipeline to screen membrane protein 2D crystallization. <i>Journal of Structural and Functional Genomics</i> , 2010, 11, 155-166.	1.2	19
16	The KdpFABC complex " K ⁺ transport against all odds. <i>Molecular Membrane Biology</i> , 2019, 35, 21-38.	2.0	18
17	Serine phosphorylation regulates the P-type potassium pump KdpFABC. <i>ELife</i> , 2020, 9, .	6.0	16
18	Image-based model of the spectrin cytoskeleton for red blood cell simulation. <i>PLoS Computational Biology</i> , 2017, 13, e1005790.	3.2	15

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19	Zinc binding alters the conformational dynamics and drives the transport cycle of the cation diffusion facilitator YjiP. <i>Journal of General Physiology</i> , 2021, 153, .	1.9	14
20	Purification and analysis of endogenous human RNA exosome complexes. <i>Rna</i> , 2016, 22, 1467-1475.	3.5	13
21	Structural basis for potassium transport in prokaryotes by KdpFABC. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
22	Two-Dimensional Crystallization of Integral Membrane Proteins for Electron Crystallography. <i>Methods in Molecular Biology</i> , 2010, 654, 187-205.	0.9	12
23	Deducing the symmetry of helical assemblies: Applications to membrane proteins. <i>Journal of Structural Biology</i> , 2016, 195, 167-178.	2.8	10
24	3D Tomographic Map of Desmosome from Frozen-hydrated Skin Sections. <i>Microscopy and Microanalysis</i> , 2004, 10, 1188-1189.	0.4	5
25	High-Throughput Methods for Electron Crystallography. <i>Methods in Molecular Biology</i> , 2013, 955, 273-296.	0.9	4
26	An Intracellular Pathway Controlled by the N-terminus of the Pump Subunit Inhibits the Bacterial KdpFABC Ion Pump in High K ⁺ Conditions. <i>Journal of Molecular Biology</i> , 2021, 433, 167008.	4.2	3
27	Two-Dimensional Crystallization of Membrane Proteins: Screening Strategies. <i>Microscopy and Microanalysis</i> , 2014, 20, 1210-1211.	0.4	0