Per A Bullough

List of Publications by Year
in descending order

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63 papers	5,704 citations	136950 32 h-index	123424 61 g-index
65 all docs	65 docs citations	65 times ranked	4899 citing authors

#	Article	IF	Citations
1	Structure and assembly of the S-layer in C. difficile. Nature Communications, 2022, 13, 970.	12.8	30
2	Refining a correlative light electron microscopy workflow using luminescent metal complexes. Methods in Cell Biology, 2021, 162, 69-87.	1.1	4
3	Correlative Super-Resolution Optical and Atomic Force Microscopy Reveals Relationships Between Bacterial Cell Wall Architecture and Synthesis in Bacillus subtilis. ACS Nano, 2021, 15, 16011-16018.	14.6	7
4	Demonstration of the role of cell wall homeostasis in Staphylococcus aureus growth and the action of bactericidal antibiotics. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
5	Architecture and Self-Assembly of Clostridium sporogenes and Clostridium botulinum Spore Surfaces Illustrate a General Protective Strategy across Spore Formers. MSphere, 2020, 5, .	2.9	12
6	The architecture of the Gram-positive bacterial cell wall. Nature, 2020, 582, 294-297.	27.8	223
7	Identification and structural analysis of the tripartite Î±-pore forming toxin of Aeromonas hydrophila. Nature Communications, 2019, 10, 2900.	12.8	20
8	The molecular basis of endolytic activity of a multidomain alginate lyase from Defluviitalea phaphyphila, a representative of a new lyase family, PL39. Journal of Biological Chemistry, 2019, 294, 18077-18091.	3.4	37
9	Selfâ€Assembling Proteins as Highâ€Performance Substrates for Embryonic Stem Cell Selfâ€Renewal. Advanced Materials, 2019, 31, 1807521.	21.0	6
10	Structural insights into the function of type VI secretion system TssA subunits. Nature Communications, 2018, 9, 4765.	12.8	41
11	Molecular tiling on the surface of a bacterial spore â€“ the exosporium of the Bacillus anthracis/cereus/thuringiensis group. Molecular Microbiology, 2017, 104, 539-552.	2.5	36
12	Characterization of the spore surface and exosporium proteins of Clostridium sporogenes; implications for Clostridium botulinum group I strains. Food Microbiology, 2016, 59, 205-212.	4.2	21
13	A Versatile Strategy for Production of Membrane Proteins with Diverse Topologies: Application to Investigation of Bacterial Homologues of Human Divalent Metal Ion and Nucleoside Transporters. PLoS ONE, 2015, 10, e0143010.	2.5	12
14	Diverse supramolecular structures formed by selfâ€assembling proteins of the <scp>B</scp>acillus subtilis spore coat. Molecular Microbiology, 2015, 97, 347-359.	2.5	41
15	Structural and functional consequences of removing the N-terminal domain from the magnesium chelatase ChlH subunit of Thermosynechococcus elongatus. Biochemical Journal, 2014, 464, 315-322.	3.7	13
16	Structure and Function of the Bacterial Heterodimeric ABC Transporter CydDC. Journal of Biological Chemistry, 2014, 289, 23177-23188.	3.4	16
17	Three-Dimensional Structure of the Rhodobacter sphaeroides RC-LH1-PufX Complex: Dimerization and Quinone Channels Promoted by PufX. Biochemistry, 2013, 52, 7575-7585.	2.5	122
18	A urea channel from Bacillus cereus reveals a novel hexameric structure. Biochemical Journal, 2012, 445, 157-166.	3.7	8

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19	Structure of the Cyanobacterial Magnesium Chelatase H Subunit Determined by Single Particle Reconstruction and Small-angle X-ray Scattering. Journal of Biological Chemistry, 2012, 287, 4946-4956.	3.4	19
20	AcrB contamination in 2-D crystallization of membrane proteins: Lessons from a sodium channel and a putative monovalent cation/proton antiporter. Journal of Structural Biology, 2011, 176, 419-424.	2.8	20
21	Surface architecture of endospores of the Bacillus cereus/anthracis/thuringiensis family at the subnanometer scale. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16014-16019.	7.1	67
22	YwdL in Bacillus cereus: Its Role in Germination and Exosporium Structure. PLoS ONE, 2011, 6, e23801.	2.5	18
23	Thermal and chemical unfolding and refolding of a eukaryotic sodium channel. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1279-1286.	2.6	24
24	Reaction Center-Light-Harvesting Core Complexes of Purple Bacteria. Advances in Photosynthesis and Respiration, 2009, , 155-179.	1.0	19
25	Structure of the exosporium and sublayers of spores of the Bacillus cereus family revealed by electron crystallography. Molecular Microbiology, 2008, 68, 947-958.	2.5	76
26	Colicin N Binds to the Periphery of Its Receptor andÂTranslocator, Outer Membrane Protein F. Structure, 2008, 16, 371-379.	3.3	47
27	Three-dimensional Reconstruction of a Membrane-bending Complex. Journal of Biological Chemistry, 2008, 283, 14002-14011.	3.4	92
28	The formation and structure of Escherichia coli K-12 haemolysin E pores. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.8	16
29	The crystal structure of the Escherichia coli AmtB-GlnK complex reveals how GlnK regulates the ammonia channel. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1213-1218.	7.1	176
30	The EscherichiaÂcoli AmtB protein asÂaÂmodel system forÂunderstanding ammonium transport byÂAmt andÂRh proteins. Transfusion Clinique Et Biologique, 2006, 13, 97-102.	0.4	30
31	Structure of the Hemolysin E (HlyE, ClyA, and SheA) Channel in Its Membrane-bound Form. Journal of Biological Chemistry, 2006, 281, 23042-23049.	3.4	47
32	The crystal structures of Lactococcus lactis MG1363 Dps proteins reveal the presence of an N-terminal helix that is required for DNA binding. Molecular Microbiology, 2005, 57, 1101-1112.	2.5	64
33	Modelling the human rhesus proteins: implications for structure and function. British Journal of Haematology, 2005, 131, 543-551.	2.5	96
34	Obligate Heterodimerization of the Archaeal Alba2 Protein with Alba1 Provides a Mechanism for Control of DNA Packaging. Structure, 2005, 13, 963-971.	3.3	70
35	The 8.5Ã... Projection Structure of the Core RCâ€“LH1â€“PufX Dimer of Rhodobacter sphaeroides. Journal of Molecular Biology, 2005, 349, 948-960.	4.2	157
36	Structural Analysis of the Reaction Center Light-harvesting Complex I Photosynthetic Core Complex of Rhodospirillum rubrum Using Atomic Force Microscopy. Journal of Biological Chemistry, 2004, 279, 2063-2068.	3.4	140

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37	Properties of haemolysin E (HlyE) from a pathogenic Escherichia coli avian isolate and studies of HlyE export. Microbiology (United Kingdom), 2004, 150, 1495-1505.	1.8	28
38	Molecular architecture of photosynthetic membranes in Rhodobacter sphaeroides: the role of PufX. EMBO Journal, 2004, 23, 690-700.	7.8	155
39	Electron and atomic force microscopy of the trimeric ammonium transporter AmtB. EMBO Reports, 2004, 5, 1153-1158.	4.5	47
40	The native architecture of a photosynthetic membrane. Nature, 2004, 430, 1058-1062.	27.8	435
41	Conformational Flexibility in Assembly of Photosynthetic Membrane Protein Complexes in vivo. Microscopy and Microanalysis, 2004, 10, 1496-1497.	0.4	0
42	The ATPase Activity of the ChlI Subunit of Magnesium Chelatase and Formation of a Heptameric AAA+Ringâ€. Biochemistry, 2003, 42, 6912-6920.	2.5	57
43	Role of the C-Terminal Extrinsic Region of the Î± Polypeptide of the Light-Harvesting 2 Complex ofRhodobacter sphaeroides:Â A Domain Swap Studyâ€. Biochemistry, 2003, 42, 15114-15123.	2.5	16
44	A Reaction Center-Light-harvesting 1 Complex (RC-LH1) from a Rhodospirillum rubrum Mutant with Altered Esterifying Pigments. Journal of Biological Chemistry, 2003, 278, 23678-23685.	3.4	23
45	Projection structure of the photosynthetic reaction centre-antenna complex of Rhodospirillum rubrum at 8.5 A resolution. EMBO Journal, 2002, 21, 3927-3935.	7.8	137
46	Expression, refolding and crystallization of the OpcA invasin fromNeisseria meningitidis. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 1164-1166.	2.5	18
47	Glycerol Dehydrogenase. Structure, 2001, 9, 789-802.	3.3	101
48	The quarternary molecular architecture of TetA, a secondary tetracycline transporter from Escherichia coli. Molecular Microbiology, 2000, 38, 482-492.	2.5	50
49	E. coli Hemolysin E (HlyE, ClyA, SheA). Cell, 2000, 100, 265-276.	28.9	197
50	Projection structure of reconstituted Opc outer membrane protein from Neisseria meningitidis. Molecular Microbiology, 1999, 32, 217-219.	2.5	9
51	The projection structure of the low temperature K intermediate of the bacteriorhodopsin photocycle determined by electron diffraction 1 1Edited by T. Richmond. Journal of Molecular Biology, 1999, 286, 1663-1671.	4.2	34
52	Protein conformational changes in the bacteriorhodopsin photocycle 1 1Edited by B. Honig. Journal of Molecular Biology, 1999, 287, 145-161.	4.2	244
53	Projection structures of three photosynthetic complexes from Rhodobacter sphaeroides : LH2 at 6 Ã…, LH1 and RC-LH1 at 25 Ã… 1 1Edited by K. Nagai. Journal of Molecular Biology, 1998, 282, 833-845.	4.2	275
54	Membrane Fusion by Influenza Hemagglutinin. Cold Spring Harbor Symposia on Quantitative Biology, 1995, 60, 573-580.	1.1	54

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55	8.5 Ã... Projection Map of the Light-Harvesting Complex I from Rhodospirillum Rubrum Reveals a Ring Composed of 16 Subunits. , 1995, , 81-84.		0
56	The 8.5 A projection map of the light-harvesting complex I from Rhodospirillum rubrum reveals a ring composed of 16 subunits. EMBO Journal, 1995, 14, 631-8.	7.8	165
57	Structure of influenza haemagglutinin at the pH of membrane fusion. Nature, 1994, 371, 37-43.	27.8	1,595
58	Crystals of a gragment of influenza haemagglutinin in the low pH induced conformation. Journal of Molecular Biology, 1994, 236, 1262-1265.	4.2	38
59	Spot-scan imaging of microcrystals of an influenza neuraminidase-antibody fragment complex. Ultramicroscopy, 1991, 35, 131-143.	1.9	1
60	Imaging of protein moleculesâ€"Towards atomic resolution. Electron Microscopy Reviews, 1990, 3, 249-267.	1.3	11
61	Phase accuracy in high-resolution electron microscopy of trigonal and orthorhombic purple membrane. Biophysical Journal, 1990, 58, 705-711.	0.5	13
62	High-resolution spot-scan electron microscopy of microcrystals of an Î±-helical coiled-coil protein. Journal of Molecular Biology, 1990, 215, 161-173.	4.2	42
63	Use of spot-scan procedure for recording low-dose micrographs of beam-sensitive specimens. Ultramicroscopy, 1987, 21, 223-230.	1.9	101