Per A Bullough

List of Publications by Year
in descending order

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63 papers	5,704 citations	136885 32 h-index	123376 61 g-index
65 all docs	65 docs citations	65 times ranked	4899 citing authors

#	Article	IF	Citations
1	Structure of influenza haemagglutinin at the pH of membrane fusion. Nature, 1994, 371, 37-43.	13.7	1,595
2	The native architecture of a photosynthetic membrane. Nature, 2004, 430, 1058-1062.	13.7	435
3	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.	2.0	275
4	Protein conformational changes in the bacteriorhodopsin photocycle 1 1Edited by B. Honig. Journal of Molecular Biology, 1999, 287, 145-161.	2.0	244
5	The architecture of the Gram-positive bacterial cell wall. Nature, 2020, 582, 294-297.	13.7	223
6	E. coli Hemolysin E (HlyE, ClyA, SheA). Cell, 2000, 100, 265-276.	13.5	197
7	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.	3.3	176
8	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.	3.5	165
9	The 8.5Ã... Projection Structure of the Core RCâ€“LH1â€“PufX Dimer of Rhodobacter sphaeroides. Journal of Molecular Biology, 2005, 349, 948-960.	2.0	157
10	Molecular architecture of photosynthetic membranes in Rhodobacter sphaeroides: the role of PufX. EMBO Journal, 2004, 23, 690-700.	3.5	155
11	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.	1.6	140
12	Projection structure of the photosynthetic reaction centre-antenna complex of Rhodospirillum rubrum at 8.5 A resolution. EMBO Journal, 2002, 21, 3927-3935.	3.5	137
13	Three-Dimensional Structure of the Rhodobacter sphaeroides RC-LH1-PufX Complex: Dimerization and Quinone Channels Promoted by PufX. Biochemistry, 2013, 52, 7575-7585.	1.2	122
14	Use of spot-scan procedure for recording low-dose micrographs of beam-sensitive specimens. Ultramicroscopy, 1987, 21, 223-230.	0.8	101
15	Glycerol Dehydrogenase. Structure, 2001, 9, 789-802.	1.6	101
16	Modelling the human rhesus proteins: implications for structure and function. British Journal of Haematology, 2005, 131, 543-551.	1.2	96
17	Three-dimensional Reconstruction of a Membrane-bending Complex. Journal of Biological Chemistry, 2008, 283, 14002-14011.	1.6	92
18	Structure of the exosporium and sublayers of spores of the Bacillus cereus family revealed by electron crystallography. Molecular Microbiology, 2008, 68, 947-958.	1.2	76

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19	Obligate Heterodimerization of the Archaeal Alba2 Protein with Alba1 Provides a Mechanism for Control of DNA Packaging. Structure, 2005, 13, 963-971.	1.6	70
20	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.	3.3	67
21	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.	1.2	64
22	The ATPase Activity of the ChlI Subunit of Magnesium Chelatase and Formation of a Heptameric AAA+Ringâ€. Biochemistry, 2003, 42, 6912-6920.	1.2	57
23	Membrane Fusion by Influenza Hemagglutinin. Cold Spring Harbor Symposia on Quantitative Biology, 1995, 60, 573-580.	2.0	54
24	The quarternary molecular architecture of TetA, a secondary tetracycline transporter from Escherichia coli. Molecular Microbiology, 2000, 38, 482-492.	1.2	50
25	Electron and atomic force microscopy of the trimeric ammonium transporter AmtB. EMBO Reports, 2004, 5, 1153-1158.	2.0	47
26	Structure of the Hemolysin E (HlyE, ClyA, and SheA) Channel in Its Membrane-bound Form. Journal of Biological Chemistry, 2006, 281, 23042-23049.	1.6	47
27	Colicin N Binds to the Periphery of Its Receptor andÂTranslocator, Outer Membrane Protein F. Structure, 2008, 16, 371-379.	1.6	47
28	High-resolution spot-scan electron microscopy of microcrystals of an Î±-helical coiled-coil protein. Journal of Molecular Biology, 1990, 215, 161-173.	2.0	42
29	Diverse supramolecular structures formed by selfâ€assembling proteins of the <scp>B</scp>acillus subtilis spore coat. Molecular Microbiology, 2015, 97, 347-359.	1.2	41
30	Structural insights into the function of type VI secretion system TssA subunits. Nature Communications, 2018, 9, 4765.	5.8	41
31	Crystals of a gragment of influenza haemagglutinin in the low pH induced conformation. Journal of Molecular Biology, 1994, 236, 1262-1265.	2.0	38
32	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.	1.6	37
33	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.	1.2	36
34	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.	2.0	34
35	The EscherichiaÂcoli AmtB protein asÂaÂmodel system forÂunderstanding ammonium transport byÂAmt andÂRh proteins. Transfusion Clinique Et Biologique, 2006, 13, 97-102.	0.2	30
36	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, .	3.3	30

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37	Structure and assembly of the S-layer in C. difficile. Nature Communications, 2022, 13, 970.	5.8	30
38	Properties of haemolysin E (HlyE) from a pathogenic Escherichia coli avian isolate and studies of HlyE export. Microbiology (United Kingdom), 2004, 150, 1495-1505.	0.7	28
39	Thermal and chemical unfolding and refolding of a eukaryotic sodium channel. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1279-1286.	1.4	24
40	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.	1.6	23
41	Characterization of the spore surface and exosporium proteins of Clostridium sporogenes; implications for Clostridium botulinum group I strains. Food Microbiology, 2016, 59, 205-212.	2.1	21
42	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.	1.3	20
43	Identification and structural analysis of the tripartite Î±-pore forming toxin of Aeromonas hydrophila. Nature Communications, 2019, 10, 2900.	5.8	20
44	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.	1.6	19
45	Reaction Center-Light-Harvesting Core Complexes of Purple Bacteria. Advances in Photosynthesis and Respiration, 2009, , 155-179.	1.0	19
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	YwdL in Bacillus cereus: Its Role in Germination and Exosporium Structure. PLoS ONE, 2011, 6, e23801.	1.1	18
48	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.	1.2	16
49	The formation and structure of Escherichia coli K-12 haemolysin E pores. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	16
50	Structure and Function of the Bacterial Heterodimeric ABC Transporter CydDC. Journal of Biological Chemistry, 2014, 289, 23177-23188.	1.6	16
51	Phase accuracy in high-resolution electron microscopy of trigonal and orthorhombic purple membrane. Biophysical Journal, 1990, 58, 705-711.	0.2	13
52	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.	1.7	13
53	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.	1.1	12
54	Architecture and Self-Assembly of Clostridium sporogenes and Clostridium botulinum Spore Surfaces Illustrate a General Protective Strategy across Spore Formers. MSphere, 2020, 5, .	1.3	12

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55	Imaging of protein moleculesâ€"Towards atomic resolution. Electron Microscopy Reviews, 1990, 3, 249-267.	1.3	11
56	Projection structure of reconstituted Opc outer membrane protein from Neisseria meningitidis. Molecular Microbiology, 1999, 32, 217-219.	1.2	9
57	A urea channel from Bacillus cereus reveals a novel hexameric structure. Biochemical Journal, 2012, 445, 157-166.	1.7	8
58	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.	7.3	7
59	Selfâ€Assembling Proteins as Highâ€Performance Substrates for Embryonic Stem Cell Selfâ€Renewal. Advanced Materials, 2019, 31, 1807521.	11.1	6
60	Refining a correlative light electron microscopy workflow using luminescent metal complexes. Methods in Cell Biology, 2021, 162, 69-87.	0.5	4
61	Spot-scan imaging of microcrystals of an influenza neuraminidase-antibody fragment complex. Ultramicroscopy, 1991, 35, 131-143.	0.8	1
62	Conformational Flexibility in Assembly of Photosynthetic Membrane Protein Complexes in vivo. Microscopy and Microanalysis, 2004, 10, 1496-1497.	0.2	0
63	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