

# 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 of influenza haemagglutinin at the pH of membrane fusion. <i>Nature</i> , 1994, 371, 37-43.	27.8	1,595
2	The native architecture of a photosynthetic membrane. <i>Nature</i> , 2004, 430, 1058-1062.	27.8	435
3	Projection structures of three photosynthetic complexes from <i>Rhodobacter sphaeroides</i> : LH2 at 6 Å..., LH1 and RC-LH1 at 25 Å... 1 Edited by K. Nagai. <i>Journal of Molecular Biology</i> , 1998, 282, 833-845.	4.2	275
4	Protein conformational changes in the bacteriorhodopsin photocycle 1 Edited by B. Honig. <i>Journal of Molecular Biology</i> , 1999, 287, 145-161.	4.2	244
5	The architecture of the Gram-positive bacterial cell wall. <i>Nature</i> , 2020, 582, 294-297.	27.8	223
6	<i>E. coli</i> Hemolysin E (HlyE, ClyA, SheA). <i>Cell</i> , 2000, 100, 265-276.	28.9	197
7	The crystal structure of the <i>Escherichia coli</i> AmtB-GlnK complex reveals how GlnK regulates the ammonia channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1213-1218.	7.1	176
8	The 8.5 Å projection map of the light-harvesting complex I from <i>Rhodospirillum rubrum</i> reveals a ring composed of 16 subunits. <i>EMBO Journal</i> , 1995, 14, 631-8.	7.8	165
9	The 8.5 Å... Projection Structure of the Core RC-LH1-PufX Dimer of <i>Rhodobacter sphaeroides</i> . <i>Journal of Molecular Biology</i> , 2005, 349, 948-960.	4.2	157
10	Molecular architecture of photosynthetic membranes in <i>Rhodobacter sphaeroides</i> : the role of PufX. <i>EMBO Journal</i> , 2004, 23, 690-700.	7.8	155
11	Structural Analysis of the Reaction Center Light-harvesting Complex I Photosynthetic Core Complex of <i>Rhodospirillum rubrum</i> Using Atomic Force Microscopy. <i>Journal of Biological Chemistry</i> , 2004, 279, 2063-2068.	3.4	140
12	Projection structure of the photosynthetic reaction centre-antenna complex of <i>Rhodospirillum rubrum</i> at 8.5 Å resolution. <i>EMBO Journal</i> , 2002, 21, 3927-3935.	7.8	137
13	Three-Dimensional Structure of the <i>Rhodobacter sphaeroides</i> RC-LH1-PufX Complex: Dimerization and Quinone Channels Promoted by PufX. <i>Biochemistry</i> , 2013, 52, 7575-7585.	2.5	122
14	Use of spot-scan procedure for recording low-dose micrographs of beam-sensitive specimens. <i>Ultramicroscopy</i> , 1987, 21, 223-230.	1.9	101
15	Glycerol Dehydrogenase. <i>Structure</i> , 2001, 9, 789-802.	3.3	101
16	Modelling the human rhesus proteins: implications for structure and function. <i>British Journal of Haematology</i> , 2005, 131, 543-551.	2.5	96
17	Three-dimensional Reconstruction of a Membrane-bending Complex. <i>Journal of Biological Chemistry</i> , 2008, 283, 14002-14011.	3.4	92
18	Structure of the exosporium and sublayers of spores of the <i>Bacillus cereus</i> family revealed by electron crystallography. <i>Molecular Microbiology</i> , 2008, 68, 947-958.	2.5	76

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19	Obligate Heterodimerization of the Archaeal Alba2 Protein with Alba1 Provides a Mechanism for Control of DNA Packaging. <i>Structure</i> , 2005, 13, 963-971.	3.3	70
20	Surface architecture of endospores of the <i>Bacillus cereus/anthracis/thuringiensis</i> family at the subnanometer scale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16014-16019.	7.1	67
21	The crystal structures of <i>Lactococcus lactis</i> MG1363 Dps proteins reveal the presence of an N-terminal helix that is required for DNA binding. <i>Molecular Microbiology</i> , 2005, 57, 1101-1112.	2.5	64
22	The ATPase Activity of the ChII Subunit of Magnesium Chelatase and Formation of a Heptameric AAA+Ring. <i>Biochemistry</i> , 2003, 42, 6912-6920.	2.5	57
23	Membrane Fusion by Influenza Hemagglutinin. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1995, 60, 573-580.	1.1	54
24	The quarternary molecular architecture of TetA, a secondary tetracycline transporter from <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2000, 38, 482-492.	2.5	50
25	Electron and atomic force microscopy of the trimeric ammonium transporter AmtB. <i>EMBO Reports</i> , 2004, 5, 1153-1158.	4.5	47
26	Structure of the Hemolysin E (HlyE, ClyA, and SheA) Channel in Its Membrane-bound Form. <i>Journal of Biological Chemistry</i> , 2006, 281, 23042-23049.	3.4	47
27	Colicin N Binds to the Periphery of Its Receptor and Translocator, Outer Membrane Protein F. <i>Structure</i> , 2008, 16, 371-379.	3.3	47
28	High-resolution spot-scan electron microscopy of microcrystals of an $\alpha$ -helical coiled-coil protein. <i>Journal of Molecular Biology</i> , 1990, 215, 161-173.	4.2	42
29	Diverse supramolecular structures formed by self-assembling proteins of the <i>Bacillus subtilis</i> spore coat. <i>Molecular Microbiology</i> , 2015, 97, 347-359.	2.5	41
30	Structural insights into the function of type VI secretion system TssA subunits. <i>Nature Communications</i> , 2018, 9, 4765.	12.8	41
31	Crystals of a fragment of influenza haemagglutinin in the low pH induced conformation. <i>Journal of Molecular Biology</i> , 1994, 236, 1262-1265.	4.2	38
32	The molecular basis of endolytic activity of a multidomain alginate lyase from <i>Dehalobacterium phaphyphila</i> , a representative of a new lyase family, PL39. <i>Journal of Biological Chemistry</i> , 2019, 294, 18077-18091.	3.4	37
33	Molecular tiling on the surface of a bacterial spore – the exosporium of the <i>Bacillus anthracis/cereus/thuringiensis</i> group. <i>Molecular Microbiology</i> , 2017, 104, 539-552.	2.5	36
34	The projection structure of the low temperature K intermediate of the bacteriorhodopsin photocycle determined by electron diffraction 1 Edited by T. Richmond. <i>Journal of Molecular Biology</i> , 1999, 286, 1663-1671.	4.2	34
35	The <i>Escherichia coli</i> AmtB protein as a model system for understanding ammonium transport by Amt and Rh proteins. <i>Transfusion Clinique Et Biologique</i> , 2006, 13, 97-102.	0.4	30
36	Demonstration of the role of cell wall homeostasis in <i>Staphylococcus aureus</i> growth and the action of bactericidal antibiotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	30

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37	Structure and assembly of the S-layer in <i>C. difficile</i> . <i>Nature Communications</i> , 2022, 13, 970.	12.8	30
38	Properties of haemolysin E (HlyE) from a pathogenic <i>Escherichia coli</i> avian isolate and studies of HlyE export. <i>Microbiology (United Kingdom)</i> , 2004, 150, 1495-1505.	1.8	28
39	Thermal and chemical unfolding and refolding of a eukaryotic sodium channel. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1279-1286.	2.6	24
40	A Reaction Center-Light-harvesting 1 Complex (RC-LH1) from a <i>Rhodospirillum rubrum</i> Mutant with Altered Esterifying Pigments. <i>Journal of Biological Chemistry</i> , 2003, 278, 23678-23685.	3.4	23
41	Characterization of the spore surface and exosporium proteins of <i>Clostridium sporogenes</i> ; implications for <i>Clostridium botulinum</i> group I strains. <i>Food Microbiology</i> , 2016, 59, 205-212.	4.2	21
42	AcrB contamination in 2-D crystallization of membrane proteins: Lessons from a sodium channel and a putative monovalent cation/proton antiporter. <i>Journal of Structural Biology</i> , 2011, 176, 419-424.	2.8	20
43	Identification and structural analysis of the tripartite $\hat{\pm}$ -pore forming toxin of <i>Aeromonas hydrophila</i> . <i>Nature Communications</i> , 2019, 10, 2900.	12.8	20
44	Structure of the Cyanobacterial Magnesium Chelatase H Subunit Determined by Single Particle Reconstruction and Small-angle X-ray Scattering. <i>Journal of Biological Chemistry</i> , 2012, 287, 4946-4956.	3.4	19
45	Reaction Center-Light-Harvesting Core Complexes of Purple Bacteria. <i>Advances in Photosynthesis and Respiration</i> , 2009, , 155-179.	1.0	19
46	Expression, refolding and crystallization of the OpcA invasin from <i>Neisseria meningitidis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1164-1166.	2.5	18
47	YwdL in <i>Bacillus cereus</i> : Its Role in Germination and Exosporium Structure. <i>PLoS ONE</i> , 2011, 6, e23801.	2.5	18
48	Role of the C-Terminal Extrinsic Region of the $\hat{\pm}$ Polypeptide of the Light-Harvesting 2 Complex of <i>Rhodobacter sphaeroides</i> : A Domain Swap Study. <i>Biochemistry</i> , 2003, 42, 15114-15123.	2.5	16
49	The formation and structure of <i>Escherichia coli</i> K-12 haemolysin E pores. <i>Microbiology (United Kingdom)</i> 157, 1073-1081.	1.8	16
50	Structure and Function of the Bacterial Heterodimeric ABC Transporter CydDC. <i>Journal of Biological Chemistry</i> , 2014, 289, 23177-23188.	3.4	16
51	Phase accuracy in high-resolution electron microscopy of trigonal and orthorhombic purple membrane. <i>Biophysical Journal</i> , 1990, 58, 705-711.	0.5	13
52	Structural and functional consequences of removing the N-terminal domain from the magnesium chelatase ChlH subunit of <i>Thermosynechococcus elongatus</i> . <i>Biochemical Journal</i> , 2014, 464, 315-322.	3.7	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. <i>PLoS ONE</i> , 2015, 10, e0143010.	2.5	12
54	Architecture and Self-Assembly of <i>Clostridium sporogenes</i> and <i>Clostridium botulinum</i> Spore Surfaces Illustrate a General Protective Strategy across Spore Formers. <i>MSphere</i> , 2020, 5, .	2.9	12

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55	Imaging of protein moleculesâ€”Towards atomic resolution. <i>Electron Microscopy Reviews</i> , 1990, 3, 249-267.	1.3	11
56	Projection structure of reconstituted Opc outer membrane protein from <i>Neisseria meningitidis</i> . <i>Molecular Microbiology</i> , 1999, 32, 217-219.	2.5	9
57	A urea channel from <i>Bacillus cereus</i> reveals a novel hexameric structure. <i>Biochemical Journal</i> , 2012, 445, 157-166.	3.7	8
58	Correlative Super-Resolution Optical and Atomic Force Microscopy Reveals Relationships Between Bacterial Cell Wall Architecture and Synthesis in <i>Bacillus subtilis</i> . <i>ACS Nano</i> , 2021, 15, 16011-16018.	14.6	7
59	Self-Assembling Proteins as High-Performance Substrates for Embryonic Stem Cell Self-Renewal. <i>Advanced Materials</i> , 2019, 31, 1807521.	21.0	6
60	Refining a correlative light electron microscopy workflow using luminescent metal complexes. <i>Methods in Cell Biology</i> , 2021, 162, 69-87.	1.1	4
61	Spot-scan imaging of microcrystals of an influenza neuraminidase-antibody fragment complex. <i>Ultramicroscopy</i> , 1991, 35, 131-143.	1.9	1
62	Conformational Flexibility in Assembly of Photosynthetic Membrane Protein Complexes in vivo. <i>Microscopy and Microanalysis</i> , 2004, 10, 1496-1497.	0.4	0
63	8.5 Å... Projection Map of the Light-Harvesting Complex I from <i>Rhodospirillum Rubrum</i> Reveals a Ring Composed of 16 Subunits. , 1995, , 81-84.		0