

# P Lynne Howell

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134  
papers

5,626  
citations

42  
h-index

70  
g-index

153  
ext. papers

6,998  
ext. citations

6.3  
avg, IF

5.66  
L-index

#	Paper	IF	Citations
134	The Pseudomonas aeruginosa homeostasis enzyme AlgL clears the periplasmic space of accumulated alginate during polymer biosynthesis.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101560	5.4	1
133	Preventing Biofilms on Indwelling Catheters by Surface-Bound Enzymes.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 8248-8258	4.1	0
132	Protective Liquid Crystal Nanoparticles for Targeted Delivery of PslG: A Biofilm Dispersing Enzyme. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 2102-2115	5.5	4
131	CryoEM map of Pseudomonas aeruginosa PilQ enables structural characterization of TsaP. <i>Structure</i> , <b>2021</b> , 29, 457-466.e4	5.2	1
130	The Matrix Revisited: Opening Night for the Pel Polysaccharide Across Eubacterial Kingdoms. <i>Microbiology Insights</i> , <b>2021</b> , 14, 1178636120988588	2.5	1
129	Uses c-di-GMP Phosphodiesterases RmcA and MorA To Regulate Biofilm Maintenance. <i>MBio</i> , <b>2021</b> , 12,	7.8	9
128	A phage-encoded anti-activator inhibits quorum sensing in Pseudomonas aeruginosa. <i>Molecular Cell</i> , <b>2021</b> , 81, 571-583.e6	17.6	30
127	Enhancing the therapeutic use of biofilm-dispersing enzymes with smart drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 179, 113916	18.5	7
126	The role of Psl in the failure to eradicate Pseudomonas aeruginosa biofilms in children with cystic fibrosis. <i>Npj Biofilms and Microbiomes</i> , <b>2021</b> , 7, 63	8.2	2
125	Preclinical Evaluation of Recombinant Microbial Glycoside Hydrolases in the Prevention of Experimental Invasive Aspergillosis. <i>MBio</i> , <b>2021</b> , 12, e0244621	7.8	0
124	Structural basis for the acetyltransferase function of the extracytoplasmic domain of OatA from. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 8204-8213	5.4	6
123	Structural and biochemical characterization of the exopolysaccharide deacetylase Agd3 required for Aspergillus fumigatus biofilm formation. <i>Nature Communications</i> , <b>2020</b> , 11, 2450	17.4	15
122	Methylation deficiency disrupts biological rhythms from bacteria to humans. <i>Communications Biology</i> , <b>2020</b> , 3, 211	6.7	6
121	Reducing Aspergillus fumigatus Virulence through Targeted Dysregulation of the Conidiation Pathway. <i>MBio</i> , <b>2020</b> , 11,	7.8	9
120	PelX is a UDP--acetylglucosamine C4-epimerase involved in Pel polysaccharide-dependent biofilm formation. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 11949-11962	5.4	6
119	A systematic pipeline for classifying bacterial operons reveals the evolutionary landscape of biofilm machineries. <i>PLoS Computational Biology</i> , <b>2020</b> , 16, e1007721	5	14
118	Discovery and characterization of a Gram-positive Pel polysaccharide biosynthetic gene cluster. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008281	7.6	16

117	Pel Polysaccharide Biosynthesis Requires an Inner Membrane Complex Comprised of PelD, PelE, PelF, and PelG. <i>Journal of Bacteriology</i> , <b>2020</b> , 202,	3.5	12
116	Galactosaminogalactan (GAG) and its multiple roles in pathogenesis. <i>Virulence</i> , <b>2019</b> , 10, 976-983	4.7	23
115	Molecular mechanism of biofilm disruption by fungal and bacterial glycoside hydrolases. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 10760-10772	5.4	28
114	Treatment with the <i>Pseudomonas aeruginosa</i> Glycoside Hydrolase PslG Combats Wound Infection by Improving Antibiotic Efficacy and Host Innate Immune Activity. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	34
113	The Dynamic Structures of the Type IV Pilus. <i>Microbiology Spectrum</i> , <b>2019</b> , 7,	8.9	19
112	Ega3 from the fungal pathogen is an endo- $\beta$ -1,4-galactosaminidase that disrupts microbial biofilms. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 13833-13849	5.4	18
111	Multiple conformations facilitate PilT function in the type IV pilus. <i>Nature Communications</i> , <b>2019</b> , 10, 5198	17.4	7
110	The Dynamic Structures of the Type IV Pilus <b>2019</b> , 113-128		1
109	Synthesis of defined mono-de-N-acetylated $\beta$ (1-6)-N-acetyl-d-glucosamine oligosaccharides to characterize PgaB hydrolase activity. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 9456-9466	3.9	7
108	Molecular Basis for the Attachment of S-Layer Proteins to the Cell Wall of <i>Bacillus anthracis</i> . <i>Biochemistry</i> , <b>2018</b> , 57, 1949-1953	3.2	16
107	Non-eluting, surface-bound enzymes disrupt surface attachment of bacteria by continuous biofilm polysaccharide degradation. <i>Biomaterials</i> , <b>2018</b> , 167, 168-176	15.6	29
106	PatB1 is an O-acetyltransferase that decorates secondary cell wall polysaccharides. <i>Nature Chemical Biology</i> , <b>2018</b> , 14, 79-85	11.7	24
105	Deacetylated microbial biofilm exopolysaccharides: It pays to be positive. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1006411	10.7	17
104	Gram-negative synthase-dependent exopolysaccharide biosynthetic machines. <i>Current Opinion in Structural Biology</i> , <b>2018</b> , 53, 32-44	8.1	31
103	PgaB orthologues contain a glycoside hydrolase domain that cleaves deacetylated poly-(1,6)-N-acetylglucosamine and can disrupt bacterial biofilms. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1006998	7.6	38
102	Oligomeric lipoprotein PelC guides Pel polysaccharide export across the outer membrane of. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 2892-2897	11.5	17
101	The Type IVa Pilus Machinery Is Recruited to Sites of Future Cell Division. <i>MBio</i> , <b>2017</b> , 8,	7.8	22
100	The molecular mechanism of the type IVa pilus motors. <i>Nature Communications</i> , <b>2017</b> , 8, 15091	17.4	66

99	Microbial glycoside hydrolases as antibiofilm agents with cross-kingdom activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 7124-7129	11.5	56
98	Cyclic AMP-Independent Control of Twitching Motility in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , <b>2017</b> , 199,	3.5	19
97	Alginate Overproduction Promotes Coexistence with in a Model of Cystic Fibrosis Respiratory Infection. <i>MBio</i> , <b>2017</b> , 8,	7.8	78
96	PelA and PelB proteins form a modification and secretion complex essential for Pel polysaccharide-dependent biofilm formation in. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 19411-19422	5.4	22
95	In vitro characterization of the antivirulence target of Gram-positive pathogens, peptidoglycan O-acetyltransferase A (OatA). <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006667	7.6	24
94	Chemical synthesis of guanosine diphosphate mannuronic acid (GDP-ManA) and its C-4-O-methyl and C-4-deoxy congeners. <i>Carbohydrate Research</i> , <b>2017</b> , 450, 12-18	2.9	6
93	Type IV Pilus Alignment Subcomplex Proteins PilN and PilO Form Homo- and Heterodimers in Vivo. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 19923-38	5.4	14
92	Adhesive Bacterial Exopolysaccharides <b>2016</b> , 1-24		
91	Exopolysaccharide biosynthetic glycoside hydrolases can be utilized to disrupt and prevent <i>Pseudomonas aeruginosa</i> biofilms. <i>Science Advances</i> , <b>2016</b> , 2, e1501632	14.3	119
90	Deacetylation of Fungal Exopolysaccharide Mediates Adhesion and Biofilm Formation. <i>MBio</i> , <b>2016</b> , 7, e00252-16	7.8	65
89	Biofilm Exopolysaccharides of Pathogenic Fungi: Lessons from Bacteria. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 12529-12537	5.4	66
88	PilN Binding Modulates the Structure and Binding Partners of the <i>Pseudomonas aeruginosa</i> Type IVa Pilus Protein PilM. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 11003-15	5.4	28
87	Structure of the <i>Pseudomonas aeruginosa</i> Type IVa Pilus Secretin at 7.4 Å. <i>Structure</i> , <b>2016</b> , 24, 1778-1787	5.2	31
86	The Conserved Tetratricopeptide Repeat-Containing C-Terminal Domain of <i>Pseudomonas aeruginosa</i> FimV Is Required for Its Cyclic AMP-Dependent and -Independent Functions. <i>Journal of Bacteriology</i> , <b>2016</b> , 198, 2263-74	3.5	17
85	Identification of Poly-N-acetylglucosamine as a Major Polysaccharide Component of the <i>Bacillus subtilis</i> Biofilm Matrix. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 19261-72	5.4	65
84	Biogenesis of <i>Pseudomonas aeruginosa</i> type IV pili and regulation of their function. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 4148-63	5.2	59
83	Direct Staudinger-Phosphonite Reaction Provides Methylphosphonamidates as Inhibitors of CE4 De-N-acetylases. <i>ChemBioChem</i> , <b>2015</b> , 16, 1350-6	3.8	8
82	Precision-engineering the <i>Pseudomonas aeruginosa</i> genome with two-step allelic exchange. <i>Nature Protocols</i> , <b>2015</b> , 10, 1820-41	18.8	200

81	Characterization of the <i>Pseudomonas aeruginosa</i> Glycoside Hydrolase PslG Reveals That Its Levels Are Critical for Psl Polysaccharide Biosynthesis and Biofilm Formation. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 28374-28387	5-4	42
80	Pel is a cationic exopolysaccharide that cross-links extracellular DNA in the <i>Pseudomonas aeruginosa</i> biofilm matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 11353-8	11.5	303
79	The protein BpsB is a poly- $\beta$ -1,6-N-acetyl-D-glucosamine deacetylase required for biofilm formation in <i>Bordetella bronchiseptica</i> . <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 22827-40	5-4	27
78	Enzymatic modifications of exopolysaccharides enhance bacterial persistence. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 471	5-7	71
77	Novel Role for PilNO in Type IV Pilus Retraction Revealed by Alignment Subcomplex Mutations. <i>Journal of Bacteriology</i> , <b>2015</b> , 197, 2229-2238	3-5	26
76	Dimeric c-di-GMP is required for post-translational regulation of alginate production in <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 12451-62	5-4	58
75	Sph3 Is a Glycoside Hydrolase Required for the Biosynthesis of Galactosaminogalactan in <i>Aspergillus fumigatus</i> . <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 27438-50	5-4	52
74	Catalytic mechanism and mode of action of the periplasmic alginate epimerase AlgG. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 6006-19	5-4	28
73	Modification and periplasmic translocation of the biofilm exopolysaccharide poly- $\beta$ -1,6-N-acetyl-D-glucosamine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11013-8	11.5	33
72	Metal-Dependent Polysaccharide Deacetylase PgaB <b>2014</b> , 1-11		2
71	<i>P. aeruginosa</i> SGNH hydrolase-like proteins AlgJ and AlgX have similar topology but separate and distinct roles in alginate acetylation. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004334	7-6	37
70	Structural basis for the De-N-acetylation of Poly- $\beta$ -1,6-N-acetyl-D-glucosamine in Gram-positive bacteria. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 35907-17	5-4	20
69	A conformational landscape for alginate secretion across the outer membrane of <i>Pseudomonas aeruginosa</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2014</b> , 70, 2054-68		37
68	Structural and functional characterization of <i>Pseudomonas aeruginosa</i> AlgX: role of AlgX in alginate acetylation. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 22299-314	5-4	37
67	Functional mapping of PilF and PilQ in the <i>Pseudomonas aeruginosa</i> type IV pilus system. <i>Biochemistry</i> , <b>2013</b> , 52, 2914-23	3-2	32
66	PilMNOPQ from the <i>Pseudomonas aeruginosa</i> type IV pilus system form a transenvelope protein interaction network that interacts with PilA. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 2126-35	3-5	76
65	Functional characterization of <i>Staphylococcus epidermidis</i> IcaB, a de-N-acetylase important for biofilm formation. <i>Biochemistry</i> , <b>2013</b> , 52, 5463-71	3-2	27
64	The platform protein is essential for type IV pilus biogenesis. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 9721-9728	5-4	82

63	Structural insights into the regulation of foreign genes in Salmonella by the Hha/H-NS complex. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 13356-69	5.4	48
62	PelA deacetylase activity is required for Pel polysaccharide synthesis in Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 2329-39	3.5	60
61	Modular evolution and the origins of symmetry: reconstruction of a three-fold symmetric globular protein. <i>Structure</i> , <b>2012</b> , 20, 161-71	5.2	82
60	Expression, purification, crystallization and preliminary X-ray analysis of Pseudomonas aeruginosa AlgL. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 584-7		6
59	Combining in situ proteolysis and mass spectrometry to crystallize Escherichia coli PgaB. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 842-5		13
58	The Pel and Psl polysaccharides provide Pseudomonas aeruginosa structural redundancy within the biofilm matrix. <i>Environmental Microbiology</i> , <b>2012</b> , 14, 1913-28	5.2	302
57	Synthesis and evaluation of inhibitors of E. coli PgaB, a polysaccharide de-N-acetylase involved in biofilm formation. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 7103-7	3.9	15
56	Expression, purification, crystallization and preliminary X-ray analysis of Pseudomonas aeruginosa PelD. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 181-4		6
55	Decoding the roles of pilotins and accessory proteins in secretin escort services. <i>FEMS Microbiology Letters</i> , <b>2012</b> , 328, 1-12	2.9	48
54	Structure of the cytoplasmic region of PelD, a degenerate diguanylate cyclase receptor that regulates exopolysaccharide production in Pseudomonas aeruginosa. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 23582-93	5.4	79
53	The structure- and metal-dependent activity of Escherichia coli PgaB provides insight into the partial de-N-acetylation of poly- $\beta$ -1,6-N-acetyl-D-glucosamine. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 31126-37	5.4	58
52	Biosynthesis of the Pseudomonas aeruginosa Extracellular Polysaccharides, Alginate, Pel, and Psl. <i>Frontiers in Microbiology</i> , <b>2011</b> , 2, 167	5.7	302
51	Mechanism of substrate specificity in 5S-methylthioadenosine/S-adenosylhomocysteine nucleosidases. <i>Journal of Structural Biology</i> , <b>2011</b> , 173, 86-98	3.4	19
50	The peptidoglycan-binding protein FimV promotes assembly of the Pseudomonas aeruginosa type IV pilus secretin. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 540-50	3.5	54
49	Structural basis for alginate secretion across the bacterial outer membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 13083-8	11.5	65
48	Architecture of the type II secretion and type IV pilus machineries. <i>Future Microbiology</i> , <b>2010</b> , 5, 1203-18	2.9	95
47	The solution structure of the C-terminal Ig-like domain of the bacteriophage $\lambda$ tail tube protein. <i>Journal of Molecular Biology</i> , <b>2010</b> , 403, 468-79	6.5	39
46	AlgK is a TPR-containing protein and the periplasmic component of a novel exopolysaccharide secretin. <i>Structure</i> , <b>2010</b> , 18, 265-73	5.2	82

45	The phage lambda major tail protein structure reveals a common evolution for long-tailed phages and the type VI bacterial secretion system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 4160-5	11.5	211
44	The X-ray crystal structure of the phage lambda tail terminator protein reveals the biologically relevant hexameric ring structure and demonstrates a conserved mechanism of tail termination among diverse long-tailed phages. <i>Journal of Molecular Biology</i> , <b>2009</b> , 389, 938-51	6.5	46
43	PilM/N/O/P proteins form an inner membrane complex that affects the stability of the <i>Pseudomonas aeruginosa</i> type IV pilus secretin. <i>Journal of Molecular Biology</i> , <b>2009</b> , 394, 128-42	6.5	98
42	Molecular determinants of substrate specificity in plant 5Smethylthioadenosine nucleosidases. <i>Journal of Molecular Biology</i> , <b>2008</b> , 378, 112-28	6.5	15
41	Theoretical and experimental demonstration of the importance of specific nonnative interactions in protein folding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 9999-10004	11.5	109
40	PilF is an outer membrane lipoprotein required for multimerization and localization of the <i>Pseudomonas aeruginosa</i> Type IV pilus secretin. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 6961-9	3.5	81
39	Functional role of conserved residues in the characteristic secretion NTPase motifs of the <i>Pseudomonas aeruginosa</i> type IV pilus motor proteins PilB, PilT and PilU. <i>Microbiology (United Kingdom)</i> , <b>2008</b> , 154, 114-126	2.9	95
38	Modulation of activity by Arg407: structure of a fungal alpha-1,2-mannosidase in complex with a substrate analogue. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2008</b> , 64, 227-36		4
37	Structure of <i>Staphylococcus aureus</i> 5Smethylthioadenosine/S-adenosylhomocysteine nucleosidase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2008</b> , 64, 343-50		27
36	ADP-2Ho as a phasing tool for nucleotide-containing proteins. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2007</b> , 63, 493-9		5
35	Structures of 5-methylthioribose kinase reveal substrate specificity and unusual mode of nucleotide binding. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 22195-206	5.4	14
34	Substrate and product complexes of <i>Escherichia coli</i> adenylosuccinate lyase provide new insights into the enzymatic mechanism. <i>Journal of Molecular Biology</i> , <b>2007</b> , 370, 541-54	6.5	37
33	Distributed Replica Sampling. <i>Journal of Chemical Theory and Computation</i> , <b>2006</b> , 2, 725-31	6.4	25
32	Structure of <i>Escherichia coli</i> tryptophanase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2006</b> , 62, 814-23		27
31	Mutational analysis of a nucleosidase involved in quorum-sensing autoinducer-2 biosynthesis. <i>Biochemistry</i> , <b>2005</b> , 44, 11049-57	3.2	25
30	Structural snapshots of MTA/AdoHcy nucleosidase along the reaction coordinate provide insights into enzyme and nucleoside flexibility during catalysis. <i>Journal of Molecular Biology</i> , <b>2005</b> , 352, 559-74	6.5	28
29	Femtomolar transition state analogue inhibitors of 5Smethylthioadenosine/S-adenosylhomocysteine nucleosidase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 18265-73	5.4	112
28	Structural rationale for the affinity of pico- and femtomolar transition state analogues of <i>Escherichia coli</i> 5Smethylthioadenosine/S-adenosylhomocysteine nucleosidase. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 18274-82	5.4	65

27	Structure of Kre2p/Mnt1p: a yeast alpha1,2-mannosyltransferase involved in mannoprotein biosynthesis. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 17921-31	5-4	55
26	Disruption of a salt bridge dramatically accelerates subunit exchange in duck delta2 crystallin. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 40972-9	5-4	9
25	Crystallization and preliminary X-ray analysis of 5Smethylthioribose kinase from <i>Bacillus subtilis</i> and <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2004</b> , 60, 116-9		10
24	Structure of <i>Escherichia coli</i> 5Smethylthioadenosine/ S-adenosylhomocysteine nucleosidase inhibitor complexes provide insight into the conformational changes required for substrate binding and catalysis. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 8761-70	5-4	47
23	Catalytic strategy of S-adenosyl-L-homocysteine hydrolase: transition-state stabilization and the avoidance of abortive reactions. <i>Biochemistry</i> , <b>2003</b> , 42, 1900-9	3-2	64
22	S-SAD, Se-SAD and S/Se-SIRAS using Cu Kalpha radiation: why wait for synchrotron time?. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2002</b> , 58, 2096-101		14
21	Structure of <i>Penicillium citrinum</i> alpha 1,2-mannosidase reveals the basis for differences in specificity of the endoplasmic reticulum and Golgi class I enzymes. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 5620-30	5-4	41
20	Substrate induced conformational changes in argininosuccinate synthetase. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 13074-81	5-4	17
19	Mutational analysis of duck delta 2 crystallin and the structure of an inactive mutant with bound substrate provide insight into the enzymatic mechanism of argininosuccinate lyase. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 4166-75	5-4	26
18	Expression, purification, crystallization and preliminary X-ray analysis of <i>Escherichia coli</i> 5Smethylthioadenosine/S-adenosylhomocysteine nucleosidase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2001</b> , 57, 150-2		23
17	Three-dimensional structure of the argininosuccinate lyase frequently complementing allele Q286R. <i>Biochemistry</i> , <b>2001</b> , 40, 15570-80	3-2	32
16	Mechanisms for intragenic complementation at the human argininosuccinate lyase locus. <i>Biochemistry</i> , <b>2001</b> , 40, 15581-90	3-2	19
15	Optimizing DREAR and SnB parameters for determining Se-atom substructures. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2000</b> , 56, 604-17		14
14	Structure and function of S-adenosylhomocysteine hydrolase. <i>Cell Biochemistry and Biophysics</i> , <b>2000</b> , 33, 101-25	3-2	128
13	Structural basis for catalysis and inhibition of N-glycan processing class I alpha 1,2-mannosidases. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 41287-98	5-4	123
12	Domain exchange experiments in duck delta-crystallins: functional and evolutionary implications. <i>Protein Science</i> , <b>1999</b> , 8, 529-37	6-3	4
11	Purification, crystallization and preliminary X-ray crystallographic analysis of recombinant murine Golgi mannosidase IA, a class I alpha-mannosidase involved in Asn-linked oligosaccharide maturation. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1999</b> , 55, 571-3		4
10	Expression, purification, crystallization and preliminary X-ray analysis of <i>Escherichia coli</i> argininosuccinate synthetase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1999</b> , 55, 2028-30		5



9	Structure determination of selenomethionyl S-adenosylhomocysteine hydrolase using data at a single wavelength. <i>Nature Structural Biology</i> , <b>1998</b> , 5, 369-76		99
8	Intragenic complementation at the human argininosuccinate lyase locus. Identification of the major complementing alleles. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 6777-83	5.4	18
7	Crystallization and preliminary X-ray analysis of aldehyde dehydrogenase from <i>Vibrio harveyi</i> . <i>Protein Science</i> , <b>1996</b> , 5, 2130-2	6.3	4
6	Four new adenosine deaminase mutations, altering a zinc-binding histidine, two conserved alanines, and a 5Ssplice site. <i>Human Mutation</i> , <b>1995</b> , 5, 243-50	4.7	17
5	Copper complexation by 3-hydroxypyridin-4-one iron chelators: structural and iron competition studies. <i>Journal of Medicinal Chemistry</i> , <b>1994</b> , 37, 461-6	8.3	42
4	Activity of crystalline turkey egg white lysozyme. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>1992</b> , 12, 91-9	4.2	4
3	Multiple conformations facilitate PilT function in the type IV pilus		1
2	Discovery and characterization of a Gram-positive Pel polysaccharide biosynthetic gene cluster		2
1	A systematic pipeline for classifying bacterial operons reveals the evolutionary landscape of biofilm machineries		