

P Lynne Howell

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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	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> , 2015 , 112, 11353-8	11.5	303
133	The Pel and Psl polysaccharides provide <i>Pseudomonas aeruginosa</i> structural redundancy within the biofilm matrix. <i>Environmental Microbiology</i> , 2012 , 14, 1913-28	5.2	302
132	Biosynthesis of the <i>Pseudomonas aeruginosa</i> Extracellular Polysaccharides, Alginate, Pel, and Psl. <i>Frontiers in Microbiology</i> , 2011 , 2, 167	5.7	302
131	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> , 2009 , 106, 4160-5	11.5	211
130	Precision-engineering the <i>Pseudomonas aeruginosa</i> genome with two-step allelic exchange. <i>Nature Protocols</i> , 2015 , 10, 1820-41	18.8	200
129	Structure and function of S-adenosylhomocysteine hydrolase. <i>Cell Biochemistry and Biophysics</i> , 2000 , 33, 101-25	3.2	128
128	Structural basis for catalysis and inhibition of N-glycan processing class I alpha 1,2-mannosidases. <i>Journal of Biological Chemistry</i> , 2000 , 275, 41287-98	5.4	123
127	Exopolysaccharide biosynthetic glycoside hydrolases can be utilized to disrupt and prevent <i>Pseudomonas aeruginosa</i> biofilms. <i>Science Advances</i> , 2016 , 2, e1501632	14.3	119
126	Femtomolar transition state analogue inhibitors of 5S-methylthioadenosine/S-adenosylhomocysteine nucleosidase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2005 , 280, 18265-73	5.4	112
125	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> , 2008 , 105, 9999-10004	11.5	109
124	Structure determination of selenomethionyl S-adenosylhomocysteine hydrolase using data at a single wavelength. <i>Nature Structural Biology</i> , 1998 , 5, 369-76		99
123	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> , 2009 , 394, 128-42	6.5	98
122	Architecture of the type II secretion and type IV pilus machineries. <i>Future Microbiology</i> , 2010 , 5, 1203-18	2.9	95
121	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> , 2008 , 154, 114-126	2.9	95
120	Modular evolution and the origins of symmetry: reconstruction of a three-fold symmetric globular protein. <i>Structure</i> , 2012 , 20, 161-71	5.2	82
119	The platform protein is essential for type IV pilus biogenesis. <i>Journal of Biological Chemistry</i> , 2013 , 288, 9721-9728	5.4	82
118	AlgK is a TPR-containing protein and the periplasmic component of a novel exopolysaccharide secretin. <i>Structure</i> , 2010 , 18, 265-73	5.2	82

117	PilF is an outer membrane lipoprotein required for multimerization and localization of the Pseudomonas aeruginosa Type IV pilus secretin. <i>Journal of Bacteriology</i> , 2008 , 190, 6961-9	3.5	81
116	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> , 2012 , 287, 23582-93	5.4	79
115	Alginate Overproduction Promotes Coexistence with in a Model of Cystic Fibrosis Respiratory Infection. <i>MBio</i> , 2017 , 8,	7.8	78
114	PilMNOPQ from the Pseudomonas aeruginosa type IV pilus system form a transenvelope protein interaction network that interacts with PilA. <i>Journal of Bacteriology</i> , 2013 , 195, 2126-35	3.5	76
113	Enzymatic modifications of exopolysaccharides enhance bacterial persistence. <i>Frontiers in Microbiology</i> , 2015 , 6, 471	5.7	71
112	The molecular mechanism of the type IVa pilus motors. <i>Nature Communications</i> , 2017 , 8, 15091	17.4	66
111	Biofilm Exopolysaccharides of Pathogenic Fungi: Lessons from Bacteria. <i>Journal of Biological Chemistry</i> , 2016 , 291, 12529-12537	5.4	66
110	Identification of Poly-N-acetylglucosamine as a Major Polysaccharide Component of the Bacillus subtilis Biofilm Matrix. <i>Journal of Biological Chemistry</i> , 2015 , 290, 19261-72	5.4	65
109	Deacetylation of Fungal Exopolysaccharide Mediates Adhesion and Biofilm Formation. <i>MBio</i> , 2016 , 7, e00252-16	7.8	65
108	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> , 2011 , 108, 13083-8	11.5	65
107	Structural rationale for the affinity of pico- and femtomolar transition state analogues of Escherichia coli 5S-methylthioadenosine/S-adenosylhomocysteine nucleosidase. <i>Journal of Biological Chemistry</i> , 2005 , 280, 18274-82	5.4	65
106	Catalytic strategy of S-adenosyl-L-homocysteine hydrolase: transition-state stabilization and the avoidance of abortive reactions. <i>Biochemistry</i> , 2003 , 42, 1900-9	3.2	64
105	PelA deacetylase activity is required for Pel polysaccharide synthesis in Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , 2013 , 195, 2329-39	3.5	60
104	Biogenesis of Pseudomonas aeruginosa type IV pili and regulation of their function. <i>Environmental Microbiology</i> , 2015 , 17, 4148-63	5.2	59
103	Dimeric c-di-GMP is required for post-translational regulation of alginate production in Pseudomonas aeruginosa. <i>Journal of Biological Chemistry</i> , 2015 , 290, 12451-62	5.4	58
102	The structure- and metal-dependent activity of Escherichia coli PgaB provides insight into the partial de-N-acetylation of poly- β -1,6-N-acetyl-D-glucosamine. <i>Journal of Biological Chemistry</i> , 2012 , 287, 31126-37	5.4	58
101	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> , 2017 , 114, 7124-7129	11.5	56
100	Structure of Kre2p/Mnt1p: a yeast alpha1,2-mannosyltransferase involved in mannoprotein biosynthesis. <i>Journal of Biological Chemistry</i> , 2004 , 279, 17921-31	5.4	55

99	The peptidoglycan-binding protein FimV promotes assembly of the <i>Pseudomonas aeruginosa</i> type IV pilus secretin. <i>Journal of Bacteriology</i> , 2011 , 193, 540-50	3.5	54
98	Sph3 Is a Glycoside Hydrolase Required for the Biosynthesis of Galactosaminogalactan in <i>Aspergillus fumigatus</i> . <i>Journal of Biological Chemistry</i> , 2015 , 290, 27438-50	5.4	52
97	Decoding the roles of pilotins and accessory proteins in secretin escort services. <i>FEMS Microbiology Letters</i> , 2012 , 328, 1-12	2.9	48
96	Structural insights into the regulation of foreign genes in <i>Salmonella</i> by the Hha/H-NS complex. <i>Journal of Biological Chemistry</i> , 2013 , 288, 13356-69	5.4	48
95	Structure of <i>Escherichia coli</i> 5S-methylthioadenosine/S-adenosylhomocysteine nucleosidase inhibitor complexes provide insight into the conformational changes required for substrate binding and catalysis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 8761-70	5.4	47
94	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> , 2009 , 389, 938-51	6.5	46
93	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> , 2015 , 290, 28374-28387	5.4	42
92	Copper complexation by 3-hydroxypyridin-4-one iron chelators: structural and iron competition studies. <i>Journal of Medicinal Chemistry</i> , 1994 , 37, 461-6	8.3	42
91	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> , 2002 , 277, 5620-30	5.4	41
90	The solution structure of the C-terminal Ig-like domain of the bacteriophage λ tail tube protein. <i>Journal of Molecular Biology</i> , 2010 , 403, 468-79	6.5	39
89	PgaB orthologues contain a glycoside hydrolase domain that cleaves deacetylated poly-(1,6)-N-acetylglucosamine and can disrupt bacterial biofilms. <i>PLoS Pathogens</i> , 2018 , 14, e1006998	7.6	38
88	Structural and functional characterization of <i>Pseudomonas aeruginosa</i> AlgX: role of AlgX in alginate acetylation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 22299-314	5.4	37
87	<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> , 2014 , 10, e1004334	7.6	37
86	A conformational landscape for alginate secretion across the outer membrane of <i>Pseudomonas aeruginosa</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 2054-68		37
85	Substrate and product complexes of <i>Escherichia coli</i> adenylosuccinate lyase provide new insights into the enzymatic mechanism. <i>Journal of Molecular Biology</i> , 2007 , 370, 541-54	6.5	37
84	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> , 2019 , 63,	5.9	34
83	Modification and periplasmic translocation of the biofilm exopolysaccharide poly- β -1,6-N-acetyl-D-glucosamine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11013-8	11.5	33
82	Functional mapping of PilF and PilQ in the <i>Pseudomonas aeruginosa</i> type IV pilus system. <i>Biochemistry</i> , 2013 , 52, 2914-23	3.2	32

81	Three-dimensional structure of the argininosuccinate lyase frequently complementing allele Q286R. <i>Biochemistry</i> , 2001 , 40, 15570-80	3.2	32
80	Structure of the <i>Pseudomonas aeruginosa</i> Type IVa Pilus Secretin at 7.4 Å. <i>Structure</i> , 2016 , 24, 1778-1787	5.2	31
79	Gram-negative synthase-dependent exopolysaccharide biosynthetic machines. <i>Current Opinion in Structural Biology</i> , 2018 , 53, 32-44	8.1	31
78	A phage-encoded anti-activator inhibits quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Molecular Cell</i> , 2021 , 81, 571-583.e6	17.6	30
77	Non-eluting, surface-bound enzymes disrupt surface attachment of bacteria by continuous biofilm polysaccharide degradation. <i>Biomaterials</i> , 2018 , 167, 168-176	15.6	29
76	Molecular mechanism of biofilm disruption by fungal and bacterial glycoside hydrolases. <i>Journal of Biological Chemistry</i> , 2019 , 294, 10760-10772	5.4	28
75	Catalytic mechanism and mode of action of the periplasmic alginate epimerase AlgG. <i>Journal of Biological Chemistry</i> , 2014 , 289, 6006-19	5.4	28
74	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> , 2005 , 352, 559-74	6.5	28
73	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> , 2016 , 291, 11003-15	5.4	28
72	The protein BpsB is a poly-β-1,6-N-acetyl-D-glucosamine deacetylase required for biofilm formation in <i>Bordetella bronchiseptica</i> . <i>Journal of Biological Chemistry</i> , 2015 , 290, 22827-40	5.4	27
71	Functional characterization of <i>Staphylococcus epidermidis</i> IcaB, a de-N-acetylase important for biofilm formation. <i>Biochemistry</i> , 2013 , 52, 5463-71	3.2	27
70	Structure of <i>Staphylococcus aureus</i> 5S-methylthioadenosine/S-adenosylhomocysteine nucleosidase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008 , 64, 343-50		27
69	Structure of <i>Escherichia coli</i> tryptophanase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006 , 62, 814-23		27
68	Novel Role for PilNO in Type IV Pilus Retraction Revealed by Alignment Subcomplex Mutations. <i>Journal of Bacteriology</i> , 2015 , 197, 2229-2238	3.5	26
67	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> , 2002 , 277, 4166-75	5.4	26
66	Mutational analysis of a nucleosidase involved in quorum-sensing autoinducer-2 biosynthesis. <i>Biochemistry</i> , 2005 , 44, 11049-57	3.2	25
65	Distributed Replica Sampling. <i>Journal of Chemical Theory and Computation</i> , 2006 , 2, 725-31	6.4	25
64	In vitro characterization of the antivirulence target of Gram-positive pathogens, peptidoglycan O-acetyltransferase A (OatA). <i>PLoS Pathogens</i> , 2017 , 13, e1006667	7.6	24

63	PatB1 is an O-acetyltransferase that decorates secondary cell wall polysaccharides. <i>Nature Chemical Biology</i> , 2018 , 14, 79-85	11.7	24
62	Galactosaminogalactan (GAG) and its multiple roles in pathogenesis. <i>Virulence</i> , 2019 , 10, 976-983	4.7	23
61	Expression, purification, crystallization and preliminary X-ray analysis of Escherichia coli 5S-methylthioadenosine/S-adenosylhomocysteine nucleosidase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001 , 57, 150-2		23
60	The Type IVa Pilus Machinery Is Recruited to Sites of Future Cell Division. <i>MBio</i> , 2017 , 8,	7.8	22
59	PelA and PelB proteins form a modification and secretion complex essential for Pel polysaccharide-dependent biofilm formation in. <i>Journal of Biological Chemistry</i> , 2017 , 292, 19411-19422	5.4	22
58	Structural basis for the De-N-acetylation of Poly- β -1,6-N-acetyl-D-glucosamine in Gram-positive bacteria. <i>Journal of Biological Chemistry</i> , 2014 , 289, 35907-17	5.4	20
57	Cyclic AMP-Independent Control of Twitching Motility in Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , 2017 , 199,	3.5	19
56	The Dynamic Structures of the Type IV Pilus. <i>Microbiology Spectrum</i> , 2019 , 7,	8.9	19
55	Mechanism of substrate specificity in 5S-methylthioadenosine/S-adenosylhomocysteine nucleosidases. <i>Journal of Structural Biology</i> , 2011 , 173, 86-98	3.4	19
54	Mechanisms for intragenic complementation at the human argininosuccinate lyase locus. <i>Biochemistry</i> , 2001 , 40, 15581-90	3.2	19
53	Ega3 from the fungal pathogen is an endo- β -1,4-galactosaminidase that disrupts microbial biofilms. <i>Journal of Biological Chemistry</i> , 2019 , 294, 13833-13849	5.4	18
52	Intragenic complementation at the human argininosuccinate lyase locus. Identification of the major complementing alleles. <i>Journal of Biological Chemistry</i> , 1997 , 272, 6777-83	5.4	18
51	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> , 2017 , 114, 2892-2897	11.5	17
50	Substrate induced conformational changes in argininosuccinate synthetase. <i>Journal of Biological Chemistry</i> , 2002 , 277, 13074-81	5.4	17
49	Four new adenosine deaminase mutations, altering a zinc-binding histidine, two conserved alanines, and a 5S-splice site. <i>Human Mutation</i> , 1995 , 5, 243-50	4.7	17
48	The Conserved Tetratricopeptide Repeat-Containing C-Terminal Domain of Pseudomonas aeruginosa FimV Is Required for Its Cyclic AMP-Dependent and -Independent Functions. <i>Journal of Bacteriology</i> , 2016 , 198, 2263-74	3.5	17
47	Deacetylated microbial biofilm exopolysaccharides: It pays to be positive. <i>PLoS Pathogens</i> , 2018 , 14, e1007411	9.4	17
46	Discovery and characterization of a Gram-positive Pel polysaccharide biosynthetic gene cluster. <i>PLoS Pathogens</i> , 2020 , 16, e1008281	7.6	16

45	Molecular Basis for the Attachment of S-Layer Proteins to the Cell Wall of <i>Bacillus anthracis</i> . <i>Biochemistry</i> , 2018 , 57, 1949-1953	3.2	16
44	Structural and biochemical characterization of the exopolysaccharide deacetylase Agd3 required for <i>Aspergillus fumigatus</i> biofilm formation. <i>Nature Communications</i> , 2020 , 11, 2450	17.4	15
43	Synthesis and evaluation of inhibitors of <i>E. coli</i> PgaB, a polysaccharide de-N-acetylase involved in biofilm formation. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 7103-7	3.9	15
42	Molecular determinants of substrate specificity in plant 5Methylthioadenosine nucleosidases. <i>Journal of Molecular Biology</i> , 2008 , 378, 112-28	6.5	15
41	A systematic pipeline for classifying bacterial operons reveals the evolutionary landscape of biofilm machineries. <i>PLoS Computational Biology</i> , 2020 , 16, e1007721	5	14
40	Type IV Pilus Alignment Subcomplex Proteins PilN and PilO Form Homo- and Heterodimers in Vivo. <i>Journal of Biological Chemistry</i> , 2016 , 291, 19923-38	5.4	14
39	Structures of 5-methylthioribose kinase reveal substrate specificity and unusual mode of nucleotide binding. <i>Journal of Biological Chemistry</i> , 2007 , 282, 22195-206	5.4	14
38	S-SAD, Se-SAD and S/Se-SIRAS using Cu K α radiation: why wait for synchrotron time?. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002 , 58, 2096-101		14
37	Optimizing DREAR and SnB parameters for determining Se-atom substructures. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000 , 56, 604-17		14
36	Combining in situ proteolysis and mass spectrometry to crystallize <i>Escherichia coli</i> PgaB. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 842-5		13
35	Pel Polysaccharide Biosynthesis Requires an Inner Membrane Complex Comprised of PelD, PelE, PelF, and PelG. <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	12
34	Crystallization and preliminary X-ray analysis of 5Methylthioribose kinase from <i>Bacillus subtilis</i> and <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004 , 60, 116-9		10
33	Reducing <i>Aspergillus fumigatus</i> Virulence through Targeted Dysregulation of the Conidiation Pathway. <i>MBio</i> , 2020 , 11,	7.8	9
32	Disruption of a salt bridge dramatically accelerates subunit exchange in duck delta2 crystallin. <i>Journal of Biological Chemistry</i> , 2004 , 279, 40972-9	5.4	9
31	Uses c-di-GMP Phosphodiesterases RmcA and MorA To Regulate Biofilm Maintenance. <i>MBio</i> , 2021 , 12,	7.8	9
30	Direct Staudinger-Phosphonite Reaction Provides Methylphosphonamidates as Inhibitors of CE4 De-N-acetylases. <i>ChemBioChem</i> , 2015 , 16, 1350-6	3.8	8
29	Multiple conformations facilitate PilT function in the type IV pilus. <i>Nature Communications</i> , 2019 , 10, 5198	17.4	7
28	Synthesis of defined mono-de-N-acetylated [(1-6)-N-acetyl-d-glucosamine oligosaccharides to characterize PgaB hydrolase activity. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 9456-9466	3.9	7

27	Enhancing the therapeutic use of biofilm-dispersing enzymes with smart drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2021 , 179, 113916	18.5	7
26	Structural basis for the acetyltransferase function of the extracytoplasmic domain of OatA from. <i>Journal of Biological Chemistry</i> , 2020 , 295, 8204-8213	5.4	6
25	Methylation deficiency disrupts biological rhythms from bacteria to humans. <i>Communications Biology</i> , 2020 , 3, 211	6.7	6
24	PelX is a UDP--acetylglucosamine C4-epimerase involved in Pel polysaccharide-dependent biofilm formation. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11949-11962	5.4	6
23	Expression, purification, crystallization and preliminary X-ray analysis of <i>Pseudomonas aeruginosa</i> AlgL. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 584-7		6
22	Chemical synthesis of guanosine diphosphate mannuronic acid (GDP-ManA) and its C-4-O-methyl and C-4-deoxy congeners. <i>Carbohydrate Research</i> , 2017 , 450, 12-18	2.9	6
21	Expression, purification, crystallization and preliminary X-ray analysis of <i>Pseudomonas aeruginosa</i> PelD. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 181-4		6
20	ADP-2Ho as a phasing tool for nucleotide-containing proteins. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007 , 63, 493-9		5
19	Expression, purification, crystallization and preliminary X-ray analysis of <i>Escherichia coli</i> argininosuccinate synthetase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999 , 55, 2028-30		5
18	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> , 2008 , 64, 227-36		4
17	Domain exchange experiments in duck delta-crystallins: functional and evolutionary implications. <i>Protein Science</i> , 1999 , 8, 529-37	6.3	4
16	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> , 1999 , 55, 571-3		4
15	Crystallization and preliminary X-ray analysis of aldehyde dehydrogenase from <i>Vibrio harveyi</i> . <i>Protein Science</i> , 1996 , 5, 2130-2	6.3	4
14	Activity of crystalline turkey egg white lysozyme. <i>Proteins: Structure, Function and Bioinformatics</i> , 1992 , 12, 91-9	4.2	4
13	Protective Liquid Crystal Nanoparticles for Targeted Delivery of PslG: A Biofilm Dispersing Enzyme. <i>ACS Infectious Diseases</i> , 2021 , 7, 2102-2115	5.5	4
12	Metal-Dependent Polysaccharide Deacetylase PgaB 2014 , 1-11		2
11	Discovery and characterization of a Gram-positive Pel polysaccharide biosynthetic gene cluster		2
10	A systematic pipeline for classifying bacterial operons reveals the evolutionary landscape of biofilm machineries		

9	The role of Psl in the failure to eradicate <i>Pseudomonas aeruginosa</i> biofilms in children with cystic fibrosis. <i>Npj Biofilms and Microbiomes</i> , 2021 , 7, 63	8.2	2
8	The <i>Pseudomonas aeruginosa</i> homeostasis enzyme AlgL clears the periplasmic space of accumulated alginate during polymer biosynthesis.. <i>Journal of Biological Chemistry</i> , 2022 , 101560	5.4	1
7	Multiple conformations facilitate PilT function in the type IV pilus		1
6	CryoEM map of <i>Pseudomonas aeruginosa</i> PilQ enables structural characterization of TsaP. <i>Structure</i> , 2021 , 29, 457-466.e4	5.2	1
5	The Dynamic Structures of the Type IV Pilus 2019 , 113-128		1
4	The Matrix Revisited: Opening Night for the Pel Polysaccharide Across Eubacterial Kingdoms. <i>Microbiology Insights</i> , 2021 , 14, 1178636120988588	2.5	1
3	Preventing Biofilms on Indwelling Catheters by Surface-Bound Enzymes.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 8248-8258	4.1	0
2	Preclinical Evaluation of Recombinant Microbial Glycoside Hydrolases in the Prevention of Experimental Invasive Aspergillosis. <i>MBio</i> , 2021 , 12, e0244621	7.8	0
1	Adhesive Bacterial Exopolysaccharides 2016 , 1-24		