P Lynne Howell

List of Publications by Year
in descending order

139 papers	8,003 citations	47006 47 h-index	60623 81 g-index
153 all docs	153 docs citations	153 times ranked	7789 citing authors

#	Article	IF	Citations
1	Pel is a cationic exopolysaccharide that cross-links extracellular DNA in the <i>Pseudomonas aeruginosa</i> biofilm matrix. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11353-11358.	7.1	485
2	The Pel and Psl polysaccharides provide <i>Pseudomonas aeruginosa</i> structural redundancy within the biofilm matrix. Environmental Microbiology, 2012, 14, 1913-1928.	3.8	447
3	Biosynthesis of the Pseudomonas aeruginosa Extracellular Polysaccharides, Alginate, Pel, and Psl. Frontiers in Microbiology, 2011, 2, 167.	3.5	432
4	Precision-engineering the Pseudomonas aeruginosa genome with two-step allelic exchange. Nature Protocols, 2015, 10, 1820-1841.	12.0	381
5	The phage Î» major tail protein structure reveals a common evolution for long-tailed phages and the type VI bacterial secretion system. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4160-4165.	7.1	243
6	Exopolysaccharide biosynthetic glycoside hydrolases can be utilized to disrupt and prevent <i>Pseudomonas aeruginosa</i> biofilms. Science Advances, 2016, 2, e1501632.	10.3	201
7	Structure and Function of S-Adenosylhomocysteine Hydrolase. Cell Biochemistry and Biophysics, 2000, 33, 101-125.	1.8	148
8	Structural Basis for Catalysis and Inhibition ofN-Glycan Processing Class I Î±1,2-Mannosidases. Journal of Biological Chemistry, 2000, 275, 41287-41298.	3.4	141
9	PilM/N/O/P Proteins Form an Inner Membrane Complex That Affects the Stability of the Pseudomonas aeruginosa Type IV Pilus Secretin. Journal of Molecular Biology, 2009, 394, 128-142.	4.2	137
10	<i>Pseudomonas aeruginosa</i> Alginate Overproduction Promotes Coexistence with <i>Staphylococcus aureus</i> in a Model of Cystic Fibrosis Respiratory Infection. MBio, 2017, 8, .	4.1	124
11	Femtomolar Transition State Analogue Inhibitors of 5â€²-Methylthioadenosine/S-Adenosylhomocysteine Nucleosidase from Escherichia coli. Journal of Biological Chemistry, 2005, 280, 18265-18273.	3.4	122
12	Theoretical and experimental demonstration of the importance of specific nonnative interactions in protein folding. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9999-10004.	7.1	120
13	Identification of Poly-N-acetylglucosamine as a Major Polysaccharide Component of the Bacillus subtilis Biofilm Matrix. Journal of Biological Chemistry, 2015, 290, 19261-19272.	3.4	118
14	Architecture of the type II secretion and type IV pilus machineries. Future Microbiology, 2010, 5, 1203-1218.	2.0	115
15	PilMNOPQ from the Pseudomonas aeruginosa Type IV Pilus System Form a Transenvelope Protein Interaction Network That Interacts with PilA. Journal of Bacteriology, 2013, 195, 2126-2135.	2.2	113
16	Structure determination of selenomethionyl S-adenosylhomocysteine hydrolase using data at a single wavelength. Nature Structural Biology, 1998, 5, 369-376.	9.7	111
17	Functional role of conserved residues in the characteristic secretion NTPase motifs of the Pseudomonas aeruginosa type IV pilus motor proteins PilB, PilT and PilU. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	109
18	The molecular mechanism of the type IVa pilus motors. Nature Communications, 2017, 8, 15091.	12.8	108

#	Article	IF	Citations
19	Biofilm Exopolysaccharides of Pathogenic Fungi: Lessons from Bacteria. Journal of Biological Chemistry, 2016, 291, 12529-12537.	3.4	105
20	The Platform Protein Is Essential for Type IV Pilus Biogenesis. Journal of Biological Chemistry, 2013, 288, 9721-9728.	3.4	103
21	Structure of the Cytoplasmic Region of PelD, a Degenerate Diguanylate Cyclase Receptor That Regulates Exopolysaccharide Production in Pseudomonas aeruginosa. Journal of Biological Chemistry, 2012, 287, 23582-23593.	3.4	101
22	Enzymatic modifications of exopolysaccharides enhance bacterial persistence. Frontiers in Microbiology, 2015, 6, 471.	3.5	100
23	AlgK Is a TPR-Containing Protein and the Periplasmic Component of a Novel Exopolysaccharide Secretin. Structure, 2010, 18, 265-273.	3.3	98
24	PilF Is an Outer Membrane Lipoprotein Required for Multimerization and Localization of the<i>Pseudomonas aeruginosa</i>Type IV Pilus Secretin. Journal of Bacteriology, 2008, 190, 6961-6969.	2.2	97
25	Modular Evolution and the Origins of Symmetry: Reconstruction of a Three-Fold Symmetric Globular Protein. Structure, 2012, 20, 161-171.	3.3	97
26	Deacetylation of Fungal Exopolysaccharide Mediates Adhesion and Biofilm Formation. MBio, 2016, 7, e00252-16.	4.1	91
27	PelA Deacetylase Activity Is Required for Pel Polysaccharide Synthesis in Pseudomonas aeruginosa. Journal of Bacteriology, 2013, 195, 2329-2339.	2.2	90
28	Biogenesis of <scp><i>P</i></scp><i>seudomonas aeruginosa</i> type <scp>IV</scp> pili and regulation of their function. Environmental Microbiology, 2015, 17, 4148-4163.	3.8	88
29	Microbial glycoside hydrolases as antibiofilm agents with cross-kingdom activity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7124-7129.	7.1	88
30	Structural basis for alginate secretion across the bacterial outer membrane. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13083-13088.	7.1	81
31	A phage-encoded anti-activator inhibits quorum sensing in Pseudomonas aeruginosa. Molecular Cell, 2021, 81, 571-583.e6.	9.7	80
32	Sph3 Is a Glycoside Hydrolase Required for the Biosynthesis of Galactosaminogalactan in Aspergillus fumigatus. Journal of Biological Chemistry, 2015, 290, 27438-27450.	3.4	77
33	Dimeric c-di-GMP Is Required for Post-translational Regulation of Alginate Production in Pseudomonas aeruginosa. Journal of Biological Chemistry, 2015, 290, 12451-12462.	3.4	75
34	Catalytic Strategy ofS-Adenosyl-l-homocysteine Hydrolase:Â Transition-State Stabilization and the Avoidance of Abortive Reactionsâ€. Biochemistry, 2003, 42, 1900-1909.	2.5	74
35	Structural Rationale for the Affinity of Pico- and Femtomolar Transition State Analogues of Escherichia coli 5â€²-Methylthioadenosine/S-Adenosylhomocysteine Nucleosidase. Journal of Biological Chemistry, 2005, 280, 18274-18282.	3.4	71
36	The Peptidoglycan-Binding Protein FimV Promotes Assembly of the <i>Pseudomonas aeruginosa</i> Type IV Pilus Secretin. Journal of Bacteriology, 2011, 193, 540-550.	2.2	70

#	ARTICLE	IF	CITATIONS
37	Characterization of the Pseudomonas aeruginosa Glycoside Hydrolase PslG Reveals That Its Levels Are Critical for Psl Polysaccharide Biosynthesis and Biofilm Formation. Journal of Biological Chemistry, 2015, 290, 28374-28387.	3.4	68
38	The Structure- and Metal-dependent Activity of Escherichia coli PgaB Provides Insight into the Partial De-N-acetylation of Poly-Î²-1,6-N-acetyl-d-glucosamine. Journal of Biological Chemistry, 2012, 287, 31126-31137.	3.4	65
39	Structure of Kre2p/Mnt1p. Journal of Biological Chemistry, 2004, 279, 17921-17931.	3.4	61
40	Structural Insights into the Regulation of Foreign Genes in Salmonella by the Hha/H-NS Complex. Journal of Biological Chemistry, 2013, 288, 13356-13369.	3.4	61
41	Treatment with the Pseudomonas aeruginosa Glycoside Hydrolase PslG Combats Wound Infection by Improving Antibiotic Efficacy and Host Innate Immune Activity. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	61
42	Decoding the roles of pilotins and accessory proteins in secretin escort services. FEMS Microbiology Letters, 2012, 328, 1-12.	1.8	60
43	PgaB orthologues contain a glycoside hydrolase domain that cleaves deacetylated poly-Î²(1,6)-N-acetylglucosamine and can disrupt bacterial biofilms. PLoS Pathogens, 2018, 14, e1006998.	4.7	59
44	The X-Ray Crystal Structure of the Phage Î» Tail Terminator Protein Reveals the Biologically Relevant Hexameric Ring Structure and Demonstrates a Conserved Mechanism of Tail Termination among Diverse Long-Tailed Phages. Journal of Molecular Biology, 2009, 389, 938-951.	4.2	55
45	P. aeruginosa SGNH Hydrolase-Like Proteins AlgJ and AlgX Have Similar Topology but Separate and Distinct Roles in Alginate Acetylation. PLoS Pathogens, 2014, 10, e1004334.	4.7	54
46	PilN Binding Modulates the Structure and Binding Partners of the Pseudomonas aeruginosa Type IVa Pilus Protein PilM. Journal of Biological Chemistry, 2016, 291, 11003-11015.	3.4	53
47	Gram-negative synthase-dependent exopolysaccharide biosynthetic machines. Current Opinion in Structural Biology, 2018, 53, 32-44.	5.7	53
48	Galactosaminogalactan (GAG) and its multiple roles in <i>Aspergillus</i> pathogenesis. Virulence, 2019, 10, 976-983.	4.4	52
49	Structure of Escherichia coli5â€²-Methylthioadenosine/ S-Adenosylhomocysteine Nucleosidase Inhibitor Complexes Provide Insight into the Conformational Changes Required for Substrate Binding and Catalysis. Journal of Biological Chemistry, 2003, 278, 8761-8770.	3.4	51
50	Molecular mechanism of Aspergillus fumigatus biofilm disruption by fungal and bacterial glycoside hydrolases. Journal of Biological Chemistry, 2019, 294, 10760-10772.	3.4	50
51	Structural and Functional Characterization of Pseudomonas aeruginosa AlgX. Journal of Biological Chemistry, 2013, 288, 22299-22314.	3.4	48
52	Modification and periplasmic translocation of the biofilm exopolysaccharide poly-Î²-1,6- <i>N</i> -acetyl- <scp>d</scp> -glucosamine. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11013-11018.	7.1	48
53	Structure of the Pseudomonas aeruginosa Type IVa Pilus Secretin at 7.4ÂÅ.... Structure, 2016, 24, 1778-1787.	3.3	47
54	PelA and PelB proteins form a modification and secretion complex essential for Pel polysaccharide-dependent biofilm formation in Pseudomonas aeruginosa. Journal of Biological Chemistry, 2017, 292, 19411-19422.	3.4	47

#	Article	IF	Citations
55	The Solution Structure of the C-Terminal Ig-like Domain of the Bacteriophage Î» Tail Tube Protein. Journal of Molecular Biology, 2010, 403, 468-479.	4.2	46
56	A conformational landscape for alginate secretion across the outer membrane of<i>Pseudomonas aeruginosa</i>. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 2054-2068.	2.5	46
57	Copper Complexation by 3-Hydroxypyridin-4-one Iron Chelators: Structural and Iron Competition Studies. Journal of Medicinal Chemistry, 1994, 37, 461-466.	6.4	45
58	Structure of Penicillium citrinum Î±1,2-Mannosidase Reveals the Basis for Differences in Specificity of the Endoplasmic Reticulum and Golgi Class I Enzymes. Journal of Biological Chemistry, 2002, 277, 5620-5630.	3.4	45
59	Novel Role for PilNO in Type IV Pilus Retraction Revealed by Alignment Subcomplex Mutations. Journal of Bacteriology, 2015, 197, 2229-2238.	2.2	45
60	Substrate and Product Complexes of Escherichia coli Adenylosuccinate Lyase Provide New Insights into the Enzymatic Mechanism. Journal of Molecular Biology, 2007, 370, 541-554.	4.2	44
61	Functional Mapping of PilF and PilQ in the <i>Pseudomonas aeruginosa</i> Type IV Pilus System. Biochemistry, 2013, 52, 2914-2923.	2.5	42
62	Non-eluting, surface-bound enzymes disrupt surface attachment of bacteria by continuous biofilm polysaccharide degradation. Biomaterials, 2018, 167, 168-176.	11.4	41
63	Catalytic Mechanism and Mode of Action of the Periplasmic Alginate Epimerase AlgG. Journal of Biological Chemistry, 2014, 289, 6006-6019.	3.4	39
64	Structural and biochemical characterization of the exopolysaccharide deacetylase Agd3 required for Aspergillus fumigatus biofilm formation. Nature Communications, 2020, 11, 2450.	12.8	38
65	PatB1 is an O-acetyltransferase that decorates secondary cell wall polysaccharides. Nature Chemical Biology, 2018, 14, 79-85.	8.0	37
66	Three-Dimensional Structure of the Argininosuccinate Lyase Frequently Complementing Allele Q286R,. Biochemistry, 2001, 40, 15570-15580.	2.5	36
67	The Type IVa Pilus Machinery Is Recruited to Sites of Future Cell Division. MBio, 2017, 8, .	4.1	35
68	In vitro characterization of the antivirulence target of Gram-positive pathogens, peptidoglycan O-acetyltransferase A (OatA). PLoS Pathogens, 2017, 13, e1006667.	4.7	35
69	Ega3 from the fungal pathogen Aspergillus fumigatus is an endo-Î±-1,4-galactosaminidase that disrupts microbial biofilms. Journal of Biological Chemistry, 2019, 294, 13833-13849.	3.4	35
70	The Dynamic Structures of the Type IV Pilus. Microbiology Spectrum, 2019, 7, .	3.0	34
71	Mutational Analysis of Duck Î´2 Crystallin and the Structure of an Inactive Mutant with Bound Substrate Provide Insight into the Enzymatic Mechanism of Argininosuccinate Lyase. Journal of Biological Chemistry, 2002, 277, 4166-4175.	3.4	33
72	Structural Snapshots of MTA/AdoHcy Nucleosidase Along the Reaction Coordinate Provide Insights into Enzyme and Nucleoside Flexibility During Catalysis. Journal of Molecular Biology, 2005, 352, 559-574.	4.2	33

#	Article	IF	Citations
73	Structure of<i>Staphylococcus aureus</i>5â€²-methylthioadenosine/<i>S</i>-adenosylhomocysteine nucleosidase. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 343-350.	0.7	33
74	Structure ofEscherichia colitryptophanase. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 814-823.	2.5	32
75	Functional Characterization of <i>Staphylococcus epidermidis</i> IcaB, a De-<i>N</i>-acetylase Important for Biofilm Formation. Biochemistry, 2013, 52, 5463-5471.	2.5	32
76	Deacetylated microbial biofilm exopolysaccharides: It pays to be positive. PLoS Pathogens, 2018, 14, e1007411.	4.7	32
77	Enhancing the therapeutic use of biofilm-dispersing enzymes with smart drug delivery systems. Advanced Drug Delivery Reviews, 2021, 179, 113916.	13.7	32
78	The Protein BpsB Is a Poly-Î²-1,6-N-acetyl-d-glucosamine Deacetylase Required for Biofilm Formation in Bordetella bronchiseptica. Journal of Biological Chemistry, 2015, 290, 22827-22840.	3.4	31
79	Oligomeric lipoprotein PelC guides Pel polysaccharide export across the outer membrane of <i>Pseudomonas aeruginosa</i>. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2892-2897.	7.1	31
80	Discovery and characterization of a Gram-positive Pel polysaccharide biosynthetic gene cluster. PLoS Pathogens, 2020, 16, e1008281.	4.7	30
81	Mutational Analysis of a Nucleosidase Involved in Quorum-Sensing Autoinducer-2 Biosynthesisâ€. Biochemistry, 2005, 44, 11049-11057.	2.5	29
82	Pel Polysaccharide Biosynthesis Requires an Inner Membrane Complex Comprised of PelD, PelE, PelF, and PelG. Journal of Bacteriology, 2020, 202, .	2.2	29
83	Type IV Pilus Alignment Subcomplex Proteins PilN and PilO Form Homo- and Heterodimers in Vivo. Journal of Biological Chemistry, 2016, 291, 19923-19938.	3.4	28
84	Cyclic AMP-Independent Control of Twitching Motility in Pseudomonas aeruginosa. Journal of Bacteriology, 2017, 199, .	2.2	28
85	A systematic pipeline for classifying bacterial operons reveals the evolutionary landscape of biofilm machineries. PLoS Computational Biology, 2020, 16, e1007721.	3.2	28
86	Distributed Replica Sampling. Journal of Chemical Theory and Computation, 2006, 2, 725-731.	5.3	26
87	<i>Pseudomonas aeruginosa</i> Uses c-di-GMP Phosphodiesterases RmcA and MorA To Regulate Biofilm Maintenance. MBio, 2021, 12, .	4.1	25
88	Expression, purification, crystallization and preliminary X-ray analysis ofEscherichia coli5â€²-methylthioadenosine/S-adenosylhomocysteine nucleosidase. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 150-152.	2.5	24
89	Structural Basis for the De-N-acetylation of Poly-Î²-1,6-N-acetyl-d-glucosamine in Gram-positive Bacteria. Journal of Biological Chemistry, 2014, 289, 35907-35917.	3.4	24
90	The Conserved Tetratricopeptide Repeat-Containing C-Terminal Domain of Pseudomonas aeruginosa FimV Is Required for Its Cyclic AMP-Dependent and -Independent Functions. Journal of Bacteriology, 2016, 198, 2263-2274.	2.2	23

#	Article	IF	Citations
91	Intragenic Complementation at the Human Argininosuccinate Lyase Locus. Journal of Biological Chemistry, 1997, 272, 6777-6783.	3.4	22
92	Mechanisms for Intragenic Complementation at the Human Argininosuccinate Lyase Locus. Biochemistry, 2001, 40, 15581-15590.	2.5	22
93	Substrate Induced Conformational Changes in Argininosuccinate Synthetase. Journal of Biological Chemistry, 2002, 277, 13074-13081.	3.4	22
94	Synthesis and evaluation of inhibitors of E. coli PgaB, a polysaccharide de-N-acetylase involved in biofilm formation. Organic and Biomolecular Chemistry, 2012, 10, 7103.	2.8	22
95	Mechanism of substrate specificity in 5â€²-methylthioadenosine/S-adenosylhomocysteine nucleosidases. Journal of Structural Biology, 2011, 173, 86-98.	2.8	21
96	Molecular Basis for the Attachment of S-Layer Proteins to the Cell Wall of <i>Bacillus anthracis</i>. Biochemistry, 2018, 57, 1949-1953.	2.5	21
97	The Pel polysaccharide is predominantly composed of a dimeric repeat of Î±-1,4 linked galactosamine and N-acetylgalactosamine. Communications Biology, 2022, 5, .	4.4	20
98	Four new adenosine deaminase mutations, altering a zinc-binding histidine, two conserved alanines, and a 5â€² splice site. Human Mutation, 1995, 5, 243-250.	2.5	18
99	Reducing Aspergillus fumigatus Virulence through Targeted Dysregulation of the Conidiation Pathway. MBio, 2020, 11, .	4.1	18
100	Protective Liquid Crystal Nanoparticles for Targeted Delivery of PslG: A Biofilm Dispersing Enzyme. ACS Infectious Diseases, 2021, 7, 2102-2115.	3.8	18
101	The role of Psl in the failure to eradicate Pseudomonas aeruginosa biofilms in children with cystic fibrosis. Npj Biofilms and Microbiomes, 2021, 7, 63.	6.4	18
102	Methylation deficiency disrupts biological rhythms from bacteria to humans. Communications Biology, 2020, 3, 211.	4.4	17
103	OptimizingDREARandSnBparameters for determining Se-atom substructures. Acta Crystallographica Section D: Biological Crystallography, 2000, 56, 604-617.	2.5	16
104	Molecular Determinants of Substrate Specificity in Plant 5â€²-Methylthioadenosine Nucleosidases. Journal of Molecular Biology, 2008, 378, 112-128.	4.2	16
105	Multiple conformations facilitate PilT function in the type IV pilus. Nature Communications, 2019, 10, 5198.	12.8	16
106	Preventing <i>Pseudomonas aeruginosa</i> Biofilms on Indwelling Catheters by Surface-Bound Enzymes. ACS Applied Bio Materials, 2021, 4, 8248-8258.	4.6	16
107	Structures of 5-Methylthioribose Kinase Reveal Substrate Specificity and Unusual Mode of Nucleotide Binding. Journal of Biological Chemistry, 2007, 282, 22195-22206.	3.4	15
108	S-SAD, Se-SAD and S/Se-SIRAS using Cuâ€¦<i>K</i>Î± radiation: why wait for synchrotron time?. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 2096-2101.	2.5	14

#	Article	IF	Citations
109	Combining<i>in situ</i>proteolysis and mass spectrometry to crystallize<i>Escherichia coli</i>PgaB. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 842-845.	0.7	14
110	Disruption of a Salt Bridge Dramatically Accelerates Subunit Exchange in Duck Î´2 Crystallin. Journal of Biological Chemistry, 2004, 279, 40972-40979.	3.4	11
111	Expression, purification, crystallization and preliminary X-ray analysis ofPseudomonas aeruginosaPelD. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 181-184.	0.7	11
112	Expression, purification, crystallization and preliminary X-ray analysis of<i>Pseudomonas aeruginosa</i>AlgL. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 584-587.	0.7	11
113	Direct Staudingerâ€"Phosphonite Reaction Provides Methylphosphonamidates as Inhibitors of CE4 Deâ€Nâ€acetylases. ChemBioChem, 2015, 16, 1350-1356.	2.6	11
114	Chemical synthesis of guanosine diphosphate mannuronic acid (GDP-ManA) and its C-4-O-methyl and C-4-deoxy congeners. Carbohydrate Research, 2017, 450, 12-18.	2.3	11
115	Synthesis of defined mono-de-N-acetylated Î²-(1â†'6)-N-acetyl-d-glucosamine oligosaccharides to characterize PgaB hydrolase activity. Organic and Biomolecular Chemistry, 2019, 17, 9456-9466.	2.8	11
116	Structural basis for the O-acetyltransferase function of the extracytoplasmic domain of OatA from Staphylococcus aureus. Journal of Biological Chemistry, 2020, 295, 8204-8213.	3.4	11
117	Crystallization and preliminary X-ray analysis of 5â€²-methylthioribose kinase fromBacillus subtilisandArabidopsis thaliana. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 116-119.	2.5	10
118	PelX is a UDP-N-acetylglucosamine C4-epimerase involved in Pel polysaccharideâ€"dependent biofilm formation. Journal of Biological Chemistry, 2020, 295, 11949-11962.	3.4	10
119	The Matrix Revisited: Opening Night for the Pel Polysaccharide Across Eubacterial Kingdoms. Microbiology Insights, 2021, 14, 117863612098858.	2.0	9
120	CryoEM map of Pseudomonas aeruginosa PilQ enables structural characterization of TsaP. Structure, 2021, 29, 457-466.e4.	3.3	9
121	Preclinical Evaluation of Recombinant Microbial Glycoside Hydrolases in the Prevention of Experimental Invasive Aspergillosis. MBio, 2021, 12, e0244621.	4.1	8
122	The Pseudomonas aeruginosa homeostasis enzyme AlgL clears the periplasmic space of accumulated alginate during polymer biosynthesis. Journal of Biological Chemistry, 2022, 298, 101560.	3.4	8
123	Activity of crystalline turkey egg white lysozyme. Proteins: Structure, Function and Bioinformatics, 1992, 12, 91-99.	2.6	6
124	Expression, purification, crystallization and preliminary X-ray analysis of Escherichia coli argininosuccinate synthetase. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 2028-2030.	2.5	6
125	Co-Operative Biofilm Interactions between Aspergillus fumigatus and Pseudomonas aeruginosa through Secreted Galactosaminogalactan Exopolysaccharide. Journal of Fungi (Basel, Switzerland), 2022, 8, 336.	3.5	6
126	ADP-2Ho as a phasing tool for nucleotide-containing proteins. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 493-499.	2.5	5

#	Article	IF	Citations
127	Domain exchange experiments in duck dâ€crystallins: Functional and evolutionary implications. Protein Science, 1999, 8, 529-537.	7.6	5
128	Preclinical Evaluation of Recombinant Microbial Glycoside Hydrolases as Antibiofilm Agents in Acute Pulmonary Pseudomonas aeruginosa Infection. Antimicrobial Agents and Chemotherapy, 2022, 66, .	3.2	5
129	Crystallization and preliminary Xâ€ray analysis of aldehyde dehydrogenase from <i>Vibrio harveyi</i>. Protein Science, 1996, 5, 2130-2132.	7.6	4
130	Purification, crystallization and preliminary X-ray crystallographic analysis of recombinant murine Golgi mannosidase IA, a class I Î±-mannosidase involved in Asn-linked oligosaccharide maturation. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 571-573.	2.5	4
131	Modulation of activity by Arg407: structure of a fungal Î±-1,2-mannosidase in complex with a substrate analogue. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 227-236.	2.5	4
132	Termination of Poly-<i>N</i>-acetylglucosamine (PNAG) Polymerization with <i>N</i>-Acetylglucosamine Analogues. ACS Chemical Biology, 2022, 17, 3036-3046.	3.4	4
133	The Dynamic Structures of the Type IV Pilus. , 2019, , 113-128.		2
134	Adhesive Bacterial Exopolysaccharides. , 2016, , 1-24.		1
135	Hoisted by their own petard: do microbial enzymes hold the solution to treating and preventing biofilm infections?. Future Microbiology, 2018, 13, 395-398.	2.0	1
136	Title is missing!. , 2020, 16, e1007721.		0
137	Title is missing!. , 2020, 16, e1007721.		0
138	Title is missing!. , 2020, 16, e1007721.		0
139	Title is missing!. , 2020, 16, e1007721.		0