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List of Publications by Year in descending order

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56 papers	2,007 citations	218677 26 h-index	265206 42 g-index
61 all docs	61 docs citations	61 times ranked	1921 citing authors

#	Article	IF	Citations
1	Deciphering the Conformational Dynamics of Escherichia coli Type IV Pilus. Biophysical Journal, 2021, 120, 294a.	0.5	0
2	Analysis of diverse eukaryotes suggests the existence of an ancestral mitochondrial apparatus derived from the bacterial type II secretion system. Nature Communications, 2021, 12, 2947.	12.8	19
3	1H, 15ÂN and 13C resonance assignments of the C-terminal domain of PulL, a component of the Klebsiella oxytoca type II secretion system. Biomolecular NMR Assignments, 2021, 15, 455-459.	0.8	2
4	Computational and biochemical analysis of type IV pilus dynamics and stability. Structure, 2021, 29, 1397-1409.e6.	3.3	5
5	Structure and function of minor pilins of type IV pili. Medical Microbiology and Immunology, 2020, 209, 301-308.	4.8	40
6	Structure and Assembly of the Enterohemorrhagic Escherichia coli Type 4 Pilus. Structure, 2019, 27, 1082-1093.e5.	3.3	33
7	Functional reconstitution of the type IVa pilus assembly system from enterohaemorrhagic Escherichia coli. Molecular Microbiology, 2019, 111, 732-749.	2.5	19
8	Cryo-Em Structure of Type 1 Pilus. Biophysical Journal, 2018, 114, 370a.	0.5	0
9	Analysis of Bacterial Pilus Assembly by Shearing and Immunofluorescence Microscopy. Methods in Molecular Biology, 2018, 1764, 291-305.	0.9	6
10	Integrative Structural Biology of the Calcium Dependent Type 2 Secretion Pseudopilus. Biophysical Journal, 2018, 114, 229a.	0.5	0
11	Tagging the type VI secretion system. Nature Microbiology, 2018, 3, 1190-1191.	13.3	4
12	Protein polarization driven by nucleoid exclusion of DnaK(HSP70)â€“substrate complexes. Nature Communications, 2018, 9, 2027.	12.8	6
13	Functional role of the type 1 pilus rod structure in mediating host-pathogen interactions. ELife, 2018, 7, .	6.0	70
14	Prepore Stability Controls Productive Folding of the BAM-independent Multimeric Outer Membrane Secretin PulD. Journal of Biological Chemistry, 2017, 292, 328-338.	3.4	11
15	Integrative Structural Biology of a Type II Secretion Pseudopilus. Biophysical Journal, 2017, 112, 486a.	0.5	0
16	1H, 15N and 13C resonance assignments and secondary structure of PulG, the major pseudopilin from Klebsiella oxytoca type 2 secretion system. Biomolecular NMR Assignments, 2017, 11, 155-158.	0.8	2
17	The transâ€envelope architecture and function of the type 2 secretion system: new insights raising new questions. Molecular Microbiology, 2017, 105, 211-226.	2.5	51
18	Polar N-terminal Residues Conserved in Type 2 Secretion Pseudopilins Determine Subunit Targeting and Membrane Extraction Steps during Fibre Assembly. Journal of Molecular Biology, 2017, 429, 1746-1765.	4.2	18

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19	Structure of the calcium-dependent type 2 secretion pseudopilus. Nature Microbiology, 2017, 2, 1686-1695.	13.3	68
20	Tracking Proteins Secreted by Bacteria: What's in the Toolbox?. Frontiers in Cellular and Infection Microbiology, 2017, 7, 221.	3.9	47
21	Unraveling the structural dynamics of the Type II secretion system. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1080-C1080.	0.1	0
22	Pseudopilin residue E5 is essential for recruitment by the type 2 secretion system assembly platform. Molecular Microbiology, 2016, 101, 924-941.	2.5	32
23	Structural Basis of Pullulanase Membrane Binding and Secretion Revealed by X-Ray Crystallography, Molecular Dynamics and Biochemical Analysis. Structure, 2016, 24, 92-104.	3.3	26
24	Distinct Docking and Stabilization Steps of the Pseudopilus Conformational Transition Path Suggest Rotational Assembly of Type IV Pilus-like Fibers. Structure, 2014, 22, 685-696.	3.3	47
25	Type II secretion system: A magic beanstalk or a protein escalator. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1568-1577.	4.1	156
26	Structural Basis of Conformational Transitions Involved in Pseudopilus Assembly and Stability. Biophysical Journal, 2014, 106, 26a.	0.5	0
27	1H, 15N and 13C resonance assignments of PpdD, a type IV pilin from enterohemorrhagic Escherichia coli. Biomolecular NMR Assignments, 2014, 8, 43-46.	0.8	6
28	The type II secretion system â€“ a dynamic fiber assembly nanomachine. Research in Microbiology, 2013, 164, 545-555.	2.1	51
29	Minor pseudopilin self-assembly primes type II secretion pseudopilus elongation. EMBO Journal, 2012, 31, 1041-1053.	7.8	94
30	Heterologous assembly of type <scp>IV</scp> pili by a type <scp>II</scp> secretion system reveals the role of minor pilins in assembly initiation. Molecular Microbiology, 2012, 86, 805-818.	2.5	43
31	Modeling pilus structures from sparse data. Journal of Structural Biology, 2011, 173, 436-444.	2.8	36
32	Detailed structural and assembly model of the type II secretion pilus from sparse data. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13081-13086.	7.1	64
33	The Haloprotease CPI Produced by the Moderately Halophilic Bacterium Pseudoalteromonas ruthenica Is Secreted by the Type II Secretion Pathway. Applied and Environmental Microbiology, 2009, 75, 4197-4201.	3.1	13
34	Cytoplasmic targeting of IpaC to the bacterial pole directs polar type III secretion in Shigella. EMBO Journal, 2008, 27, 447-457.	7.8	56
35	Spx mediates oxidative stress regulation of the methionine sulfoxide reductases operon in Bacillus subtilis. BMC Microbiology, 2008, 8, 128.	3.3	35
36	Intestinal adherence associated with type IV pili of enterohemorrhagic Escherichia coli O157:H7. Journal of Clinical Investigation, 2008, 118, 820-820.	8.2	35

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37	Signal Recognition Particle-Dependent Inner Membrane Targeting of the PulG Pseudopilin Component of a Type II Secretion System. Journal of Bacteriology, 2007, 189, 1783-1793.	2.2	60
38	Intestinal adherence associated with type IV pili of enterohemorrhagic Escherichia coli O157:H7. Journal of Clinical Investigation, 2007, 117, 3519-3529.	8.2	120
39	Green Fluorescent Chimeras Indicate Nonpolar Localization of Pullulanase Secreton Components PulL and PulM. Journal of Bacteriology, 2006, 188, 2928-2935.	2.2	22
40	Towards the Identification of Type II Secretion Signals in a Nonacylated Variant of Pullulanase from Klebsiella oxytoca. Journal of Bacteriology, 2005, 187, 7045-7055.	2.2	44
41	Getting out: protein traffic in prokaryotes. Molecular Microbiology, 2004, 52, 3-11.	2.5	35
42	The ChiA (YheB) protein of Escherichia coli K-12 is an endochitinase whose gene is negatively controlled by the nucleoid-structuring protein H-NS. Molecular Microbiology, 2002, 35, 1506-1517.	2.5	34
43	Expression of the endogenous type II secretion pathway in Escherichia coli leads to chitinase secretion. EMBO Journal, 2000, 19, 6697-6703.	7.8	118
44	DNA region responsible for transcriptional regulation of the Escherichia coli penicillin amidase (pac) gene by CRP and PAA. Genetic Analysis, Techniques and Applications, 1999, 15, 235-238.	1.5	5
45	Protein secretion in Escherichia coli K-12: dead or alive?. Cellular and Molecular Life Sciences, 1998, 54, 347-352.	5.4	29
46	A second prepilin peptidase gene inEscherichia coliK-12. Molecular Microbiology, 1998, 27, 763-775.	2.5	27
47	Recent progress and future directions in studies of the main terminal branch of the general secretory pathway in Gram-negative bacteria â€“ a review. Gene, 1997, 192, 13-19.	2.2	106
48	Pullulanase: Model protein substrate for the general secretory pathway of gram-negative bacteria. Folia Microbiologica, 1997, 42, 184-192.	2.3	25
49	Escherichia coli SecB stimulates export without maintaining export competence of ribose-binding protein signal sequence mutants. Journal of Bacteriology, 1996, 178, 5954-5959.	2.2	18
50	The cryptic general secretory pathway (gsp) operon of Escherichia coli K-12 encodes functional proteins. Journal of Bacteriology, 1996, 178, 3544-3549.	2.2	81
51	Host dependenet inactivation by IS2 of induced E.coli penicillin amidase gene cloned on multicopy plasmids. Biotechnology Letters, 1993, 15, 7-12.	2.2	4
52	A mutation of Escherichia coli SecA protein that partially compensates for the absence of SecB. Journal of Bacteriology, 1993, 175, 2255-2262.	2.2	22
53	prlA suppression of defective export of maltose-binding protein in secB mutants of Escherichia coli. Journal of Bacteriology, 1993, 175, 4036-4044.	2.2	25
54	Highly selective binding of nascent polypeptides by an Escherichia coli chaperone protein in vivo. Journal of Bacteriology, 1993, 175, 2184-2188.	2.2	113

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55	Instability of the plasmid carrying active penicillin acylase gene fromEscherichia coli: conditions inducing insertional inactivation. FEMS Microbiology Letters, 1984, 24, 173-177.	1.8	17
56	Instability of the plasmid carrying active penicillin acylase gene from Escherichia coli: conditions inducing insertional inactivation. FEMS Microbiology Letters, 1984, 24, 173-177.	1.8	1