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List of Publications by Year in descending order

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218677

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Type II secretion system: A magic beanstalk or a protein escalator. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1568-1577.	4.1	156
2	Intestinal adherence associated with type IV pili of enterohemorrhagic <i>Escherichia coli</i> O157:H7. <i>Journal of Clinical Investigation</i> , 2007, 117, 3519-3529.	8.2	120
3	Expression of the endogenous type II secretion pathway in <i>Escherichia coli</i> leads to chitinase secretion. <i>EMBO Journal</i> , 2000, 19, 6697-6703.	7.8	118
4	Highly selective binding of nascent polypeptides by an <i>Escherichia coli</i> chaperone protein in vivo. <i>Journal of Bacteriology</i> , 1993, 175, 2184-2188.	2.2	113
5	Recent progress and future directions in studies of the main terminal branch of the general secretory pathway in Gram-negative bacteria – a review. <i>Gene</i> , 1997, 192, 13-19.	2.2	106
6	Minor pseudopilin self-assembly primes type II secretion pseudopilus elongation. <i>EMBO Journal</i> , 2012, 31, 1041-1053.	7.8	94
7	The cryptic general secretory pathway (<i>gsp</i>) operon of <i>Escherichia coli</i> K-12 encodes functional proteins. <i>Journal of Bacteriology</i> , 1996, 178, 3544-3549.	2.2	81
8	Functional role of the type 1 pilus rod structure in mediating host-pathogen interactions. <i>ELife</i> , 2018, 7, .	6.0	70
9	Structure of the calcium-dependent type 2 secretion pseudopilus. <i>Nature Microbiology</i> , 2017, 2, 1686-1695.	13.3	68
10	Detailed structural and assembly model of the type II secretion pilus from sparse data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13081-13086.	7.1	64
11	Signal Recognition Particle-Dependent Inner Membrane Targeting of the PulG Pseudopilin Component of a Type II Secretion System. <i>Journal of Bacteriology</i> , 2007, 189, 1783-1793.	2.2	60
12	Cytoplasmic targeting of IpaC to the bacterial pole directs polar type III secretion in <i>Shigella</i> . <i>EMBO Journal</i> , 2008, 27, 447-457.	7.8	56
13	The type II secretion system – a dynamic fiber assembly nanomachine. <i>Research in Microbiology</i> , 2013, 164, 545-555.	2.1	51
14	The trans-envelope architecture and function of the type 2 secretion system: new insights raising new questions. <i>Molecular Microbiology</i> , 2017, 105, 211-226.	2.5	51
15	Distinct Docking and Stabilization Steps of the Pseudopilus Conformational Transition Path Suggest Rotational Assembly of Type IV Pilus-like Fibers. <i>Structure</i> , 2014, 22, 685-696.	3.3	47
16	Tracking Proteins Secreted by Bacteria: What's in the Toolbox?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 221.	3.9	47
17	Towards the Identification of Type II Secretion Signals in a Nonacylated Variant of Pullulanase from <i>Klebsiella oxytoca</i> . <i>Journal of Bacteriology</i> , 2005, 187, 7045-7055.	2.2	44
18	Heterologous assembly of type IV pili by a type II secretion system reveals the role of minor pilins in assembly initiation. <i>Molecular Microbiology</i> , 2012, 86, 805-818.	2.5	43

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19	Structure and function of minor pilins of type IV pili. <i>Medical Microbiology and Immunology</i> , 2020, 209, 301-308.	4.8	40
20	Modeling pilus structures from sparse data. <i>Journal of Structural Biology</i> , 2011, 173, 436-444.	2.8	36
21	Getting out: protein traffic in prokaryotes. <i>Molecular Microbiology</i> , 2004, 52, 3-11.	2.5	35
22	Spx mediates oxidative stress regulation of the methionine sulfoxide reductases operon in <i>Bacillus subtilis</i> . <i>BMC Microbiology</i> , 2008, 8, 128.	3.3	35
23	Intestinal adherence associated with type IV pili of enterohemorrhagic <i>Escherichia coli</i> O157:H7. <i>Journal of Clinical Investigation</i> , 2008, 118, 820-820.	8.2	35
24	The ChiA (YheB) protein of <i>Escherichia coli</i> K-12 is an endochitinase whose gene is negatively controlled by the nucleoid-structuring protein H-NS. <i>Molecular Microbiology</i> , 2002, 35, 1506-1517.	2.5	34
25	Structure and Assembly of the Enterohemorrhagic <i>Escherichia coli</i> Type 4 Pilus. <i>Structure</i> , 2019, 27, 1082-1093.e5.	3.3	33
26	Pseudopilin residue E5 is essential for recruitment by the type 2 secretion system assembly platform. <i>Molecular Microbiology</i> , 2016, 101, 924-941.	2.5	32
27	Protein secretion in <i>Escherichia coli</i> K-12: dead or alive?. <i>Cellular and Molecular Life Sciences</i> , 1998, 54, 347-352.	5.4	29
28	A second prepilin peptidase gene in <i>Escherichia coli</i> K-12. <i>Molecular Microbiology</i> , 1998, 27, 763-775.	2.5	27
29	Structural Basis of Pullulanase Membrane Binding and Secretion Revealed by X-Ray Crystallography, Molecular Dynamics and Biochemical Analysis. <i>Structure</i> , 2016, 24, 92-104.	3.3	26
30	prlA suppression of defective export of maltose-binding protein in secB mutants of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1993, 175, 4036-4044.	2.2	25
31	Pullulanase: Model protein substrate for the general secretory pathway of gram-negative bacteria. <i>Folia Microbiologica</i> , 1997, 42, 184-192.	2.3	25
32	A mutation of <i>Escherichia coli</i> SecA protein that partially compensates for the absence of SecB. <i>Journal of Bacteriology</i> , 1993, 175, 2255-2262.	2.2	22
33	Green Fluorescent Chimeras Indicate Nonpolar Localization of Pullulanase Secretion Components PulL and PulM. <i>Journal of Bacteriology</i> , 2006, 188, 2928-2935.	2.2	22
34	Functional reconstitution of the type IVa pilus assembly system from enterohaemorrhagic <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2019, 111, 732-749.	2.5	19
35	Analysis of diverse eukaryotes suggests the existence of an ancestral mitochondrial apparatus derived from the bacterial type II secretion system. <i>Nature Communications</i> , 2021, 12, 2947.	12.8	19
36	<i>Escherichia coli</i> SecB stimulates export without maintaining export competence of ribose-binding protein signal sequence mutants. <i>Journal of Bacteriology</i> , 1996, 178, 5954-5959.	2.2	18

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37	Polar N-terminal Residues Conserved in Type 2 Secretion Pseudopilins Determine Subunit Targeting and Membrane Extraction Steps during Fibre Assembly. <i>Journal of Molecular Biology</i> , 2017, 429, 1746-1765.	4.2	18
38	Instability of the plasmid carrying active penicillin acylase gene from <i>Escherichia coli</i> : conditions inducing insertional inactivation. <i>FEMS Microbiology Letters</i> , 1984, 24, 173-177.	1.8	17
39	The Haloprotease CPI Produced by the Moderately Halophilic Bacterium <i>Pseudoalteromonas rutenica</i> Is Secreted by the Type II Secretion Pathway. <i>Applied and Environmental Microbiology</i> , 2009, 75, 4197-4201.	3.1	13
40	Prepore Stability Controls Productive Folding of the BAM-independent Multimeric Outer Membrane Secretin PulD. <i>Journal of Biological Chemistry</i> , 2017, 292, 328-338.	3.4	11
41	¹ H, ¹⁵ N and ¹³ C resonance assignments of PpdD, a type IV pilin from enterohemorrhagic <i>Escherichia coli</i> . <i>Biomolecular NMR Assignments</i> , 2014, 8, 43-46.	0.8	6
42	Analysis of Bacterial Pilus Assembly by Shearing and Immunofluorescence Microscopy. <i>Methods in Molecular Biology</i> , 2018, 1764, 291-305.	0.9	6
43	Protein polarization driven by nucleoid exclusion of DnaK(HSP70) substrate complexes. <i>Nature Communications</i> , 2018, 9, 2027.	12.8	6
44	DNA region responsible for transcriptional regulation of the <i>Escherichia coli</i> penicillin amidase (pac) gene by CRP and PAA. <i>Genetic Analysis, Techniques and Applications</i> , 1999, 15, 235-238.	1.5	5
45	Computational and biochemical analysis of type IV pilus dynamics and stability. <i>Structure</i> , 2021, 29, 1397-1409.e6.	3.3	5
46	Host dependent inactivation by IS2 of induced <i>E. coli</i> penicillin amidase gene cloned on multicopy plasmids. <i>Biotechnology Letters</i> , 1993, 15, 7-12.	2.2	4
47	Tagging the type VI secretion system. <i>Nature Microbiology</i> , 2018, 3, 1190-1191.	13.3	4
48	¹ H, ¹⁵ N and ¹³ C resonance assignments and secondary structure of PulG, the major pseudopilin from <i>Klebsiella oxytoca</i> type 2 secretion system. <i>Biomolecular NMR Assignments</i> , 2017, 11, 155-158.	0.8	2
49	¹ H, ¹⁵ N and ¹³ C resonance assignments of the C-terminal domain of PulL, a component of the <i>Klebsiella oxytoca</i> type II secretion system. <i>Biomolecular NMR Assignments</i> , 2021, 15, 455-459.	0.8	2
50	Instability of the plasmid carrying active penicillin acylase gene from <i>Escherichia coli</i> : conditions inducing insertional inactivation. <i>FEMS Microbiology Letters</i> , 1984, 24, 173-177.	1.8	1
51	Structural Basis of Conformational Transitions Involved in Pseudopilus Assembly and Stability. <i>Biophysical Journal</i> , 2014, 106, 26a.	0.5	0
52	Integrative Structural Biology of a Type II Secretion Pseudopilus. <i>Biophysical Journal</i> , 2017, 112, 486a.	0.5	0
53	Cryo-Em Structure of Type 1 Pilus. <i>Biophysical Journal</i> , 2018, 114, 370a.	0.5	0
54	Integrative Structural Biology of the Calcium Dependent Type 2 Secretion Pseudopilus. <i>Biophysical Journal</i> , 2018, 114, 229a.	0.5	0

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55	Deciphering the Conformational Dynamics of Escherichia coli Type IV Pilus. Biophysical Journal, 2021, 120, 294a.	0.5	0
56	Unraveling the structural dynamics of the Type II secretion system. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1080-C1080.	0.1	0