

Tohru Minamino

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.

140 papers	6,613 citations	50 h-index	77 g-index
149 ext. papers	7,749 ext. citations	5.9 avg, IF	6.19 L-index

#	Paper	IF	Citations
140	Multiple Roles of Flagellar Export Chaperones for Efficient and Robust Flagellar Filament Formation in. <i>Frontiers in Microbiology</i> , 2021 , 12, 756044	5.7	2
139	Architecture and Assembly of the Bacterial Flagellar Motor Complex. <i>Sub-Cellular Biochemistry</i> , 2021 , 96, 297-321	5.5	4
138	The FlgN chaperone activates the Na-driven engine of the Salmonella flagellar protein export apparatus. <i>Communications Biology</i> , 2021 , 4, 335	6.7	5
137	Two Distinct Conformations in 34 FlIF Subunits Generate Three Different Symmetries within the Flagellar MS-Ring. <i>MBio</i> , 2021 , 12,	7.8	8
136	A positive charge region of Salmonella FlII is required for ATPase formation and efficient flagellar protein export. <i>Communications Biology</i> , 2021 , 4, 464	6.7	4
135	Membrane voltage-dependent activation mechanism of the bacterial flagellar protein export apparatus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
134	The FlhA linker mediates flagellar protein export switching during flagellar assembly. <i>Communications Biology</i> , 2021 , 4, 646	6.7	3
133	Structure of the molecular bushing of the bacterial flagellar motor. <i>Nature Communications</i> , 2021 , 12, 4469	17.4	10
132	Native flagellar MS ring is formed by 34 subunits with 23-fold and 11-fold subsymmetries. <i>Nature Communications</i> , 2021 , 12, 4223	17.4	12
131	Genetic Analysis of the Salmonella FlIE Protein That Forms the Base of the Flagellar Axial Structure. <i>MBio</i> , 2021 , 12, e0239221	7.8	0
130	Molecular Organization and Assembly of the Export Apparatus of Flagellar Type III Secretion Systems. <i>Current Topics in Microbiology and Immunology</i> , 2020 , 427, 91-107	3.3	14
129	Dynamic exchange of two types of stator units in flagellar motor in response to environmental changes. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 2897-2907	6.8	5
128	Functional divergence of flagellar type III secretion system: A case study in a non-flagellated, predatory bacterium. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 3368-3376	6.8	3
127	The flexible linker of the secreted FlIK ruler is required for export switching of the flagellar protein export apparatus. <i>Scientific Reports</i> , 2020 , 10, 838	4.9	5
126	Structural and Functional Comparison of Flagellar Filaments Composed of FljB and FlIC. <i>Biomolecules</i> , 2020 , 10,	5.9	12
125	Tree of motility - A proposed history of motility systems in the tree of life. <i>Genes To Cells</i> , 2020 , 25, 6-21	2.3	62
124	In Vitro Autonomous Construction of the Flagellar Axial Structure in Inverted Membrane Vesicles. <i>Biomolecules</i> , 2020 , 10,	5.9	4

123	FliK-Driven Conformational Rearrangements of FlhA and FlhB Are Required for Export Switching of the Flagellar Protein Export Apparatus. <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	9
122	Direct observation of speed fluctuations of flagellar motor rotation at extremely low load close to zero. <i>Molecular Microbiology</i> , 2020 , 113, 755-765	4.1	9
121	GFP Fusion to the N-Terminus of MotB Affects the Proton Channel Activity of the Bacterial Flagellar Motor in. <i>Biomolecules</i> , 2020 , 10,	5.9	2
120	Directional Switching Mechanism of the Bacterial Flagellar Motor. <i>Computational and Structural Biotechnology Journal</i> , 2019 , 17, 1075-1081	6.8	23
119	Structural Insights into the Substrate Specificity Switch Mechanism of the Type III Protein Export Apparatus. <i>Structure</i> , 2019 , 27, 965-976.e6	5.2	23
118	Mutational analysis of the C-terminal cytoplasmic domain of FlhB, a transmembrane component of the flagellar type III protein export apparatus in Salmonella. <i>Genes To Cells</i> , 2019 , 24, 408-421	2.3	6
117	Flagella-Driven Motility of Bacteria. <i>Biomolecules</i> , 2019 , 9,	5.9	114
116	Novel Insights into Conformational Rearrangements of the Bacterial Flagellar Switch Complex. <i>MBio</i> , 2019 , 10,	7.8	15
115	Insight into structural remodeling of the FlhA ring responsible for bacterial flagellar type III protein export. <i>Science Advances</i> , 2018 , 4, eaao7054	14.3	37
114	Effect of a clockwise-locked deletion in FliG on the FliG ring structure of the bacterial flagellar motor. <i>Genes To Cells</i> , 2018 , 23, 241-247	2.3	9
113	Novel insights into the mechanism of well-ordered assembly of bacterial flagellar proteins in Salmonella. <i>Scientific Reports</i> , 2018 , 8, 1787	4.9	20
112	A triangular loop of domain D1 of FlgE is essential for hook assembly but not for the mechanical function. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 1789-1794	3.4	12
111	Insight into adaptive remodeling of the rotor ring complex of the bacterial flagellar motor. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 496, 12-17	3.4	12
110	Autonomous control mechanism of stator assembly in the bacterial flagellar motor in response to changes in the environment. <i>Molecular Microbiology</i> , 2018 , 109, 723-734	4.1	27
109	Salmonella Flagellum 2018 ,		1
108	Reconstitution of Functional Type III Protein Export and Insights into Flagellar Assembly. <i>MBio</i> , 2018 , 9,	7.8	23
107	Hierarchical protein export mechanism of the bacterial flagellar type III protein export apparatus. <i>FEMS Microbiology Letters</i> , 2018 , 365,	2.9	25
106	Fuel of the Bacterial Flagellar Type III Protein Export Apparatus. <i>Methods in Molecular Biology</i> , 2017 , 1593, 3-16	1.4	16

105	Tunnel Formation Inferred from the I-Form Structures of the Proton-Driven Protein Secretion Motor SecDF. <i>Cell Reports</i> , 2017 , 19, 895-901	10.6	32
104	Straight and rigid flagellar hook made by insertion of the FlgG specific sequence into FlgE. <i>Scientific Reports</i> , 2017 , 7, 46723	4.9	19
103	The role of intrinsically disordered C-terminal region of FlhK in substrate specificity switching of the bacterial flagellar type III export apparatus. <i>Molecular Microbiology</i> , 2017 , 105, 572-588	4.1	18
102	Identical folds used for distinct mechanical functions of the bacterial flagellar rod and hook. <i>Nature Communications</i> , 2017 , 8, 14276	17.4	47
101	Load- and polysaccharide-dependent activation of the Na-type MotPS stator in the <i>Bacillus subtilis</i> flagellar motor. <i>Scientific Reports</i> , 2017 , 7, 46081	4.9	26
100	Stoichiometry and Turnover of the Stator and Rotor. <i>Methods in Molecular Biology</i> , 2017 , 1593, 203-213	1.4	2
99	Assembly and stoichiometry of the core structure of the bacterial flagellar type III export gate complex. <i>PLoS Biology</i> , 2017 , 15, e2002281	9.7	49
98	The role of a cytoplasmic loop of MotA in load-dependent assembly and disassembly dynamics of the MotA/B stator complex in the bacterial flagellar motor. <i>Molecular Microbiology</i> , 2017 , 106, 646-658	4.1	18
97	Na-induced structural transition of MotPS for stator assembly of the flagellar motor. <i>Science Advances</i> , 2017 , 3, eaao4119	14.3	35
96	Structural differences in the bacterial flagellar motor among bacterial species. <i>Biophysics and Physicobiology</i> , 2017 , 14, 191-198	1.4	30
95	Determination of Local pH Differences within Single Bacterial Cell. <i>Seibutsu Butsuri</i> , 2017 , 57, 296-298	0	
94	Bacterial Intracellular Sodium Ion Measurement using CoroNa Green. <i>Bio-protocol</i> , 2017 , 7, e2092	0.9	3
93	Measurements of Free-swimming Speed of Motile Cells in Liquid Media. <i>Bio-protocol</i> , 2017 , 7, e2093	0.9	5
92	Bacterial flagella grow through an injection-diffusion mechanism. <i>ELife</i> , 2017 , 6,	8.9	45
91	Determination of Local pH Differences within Living Cells by High-resolution pH Imaging Based on pH-sensitive GFP Derivative, pHluorin(M153R). <i>Bio-protocol</i> , 2017 , 7, e2529	0.9	
90	Insight into the flagella type III export revealed by the complex structure of the type III ATPase and its regulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3633-8	11.5	39
89	The Bacterial Flagellar Type III Export Gate Complex Is a Dual Fuel Engine That Can Use Both H ⁺ and Na ⁺ for Flagellar Protein Export. <i>PLoS Pathogens</i> , 2016 , 12, e1005495	7.6	55
88	Rearrangements of Helical structures of FlgN chaperone control the binding affinity for its cognate substrates during flagellar type III export. <i>Molecular Microbiology</i> , 2016 , 101, 656-70	4.1	16

87	High-Resolution pH Imaging of Living Bacterial Cells To Detect Local pH Differences. <i>MBio</i> , 2016 , 7,	7.8	31
86	Structural stability of flagellin subunit affects the rate of flagellin export in the absence of FliS chaperone. <i>Molecular Microbiology</i> , 2016 , 102, 405-416	4.1	21
85	FliH and FliI ensure efficient energy coupling of flagellar type III protein export in Salmonella. <i>MicrobiologyOpen</i> , 2016 , 5, 424-35	3.4	26
84	The bacterial flagellar motor and its structural diversity. <i>Trends in Microbiology</i> , 2015 , 23, 267-74	12.4	149
83	Weak Interactions between Salmonella enterica FlhB and Other Flagellar Export Apparatus Proteins Govern Type III Secretion Dynamics. <i>PLoS ONE</i> , 2015 , 10, e0134884	3.7	13
82	Assembly and stoichiometry of FliF and FlhA in Salmonella flagellar basal body. <i>Molecular Microbiology</i> , 2014 , 91, 1214-26	4.1	68
81	Protein export through the bacterial flagellar type III export pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 1642-8	4.9	105
80	Assembly dynamics and the roles of FliI ATPase of the bacterial flagellar export apparatus. <i>Scientific Reports</i> , 2014 , 4, 6528	4.9	55
79	The bacterial flagellar protein export apparatus processively transports flagellar proteins even with extremely infrequent ATP hydrolysis. <i>Scientific Reports</i> , 2014 , 4, 7579	4.9	55
78	Structure and function of the bi-directional bacterial flagellar motor. <i>Biomolecules</i> , 2014 , 4, 217-34	5.9	88
77	Load-sensitive coupling of proton translocation and torque generation in the bacterial flagellar motor. <i>Molecular Microbiology</i> , 2014 , 91, 175-84	4.1	43
76	Crystallization and preliminary X-ray analysis of the periplasmic domain of FliP, an integral membrane component of the bacterial flagellar type III protein-export apparatus. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 1215-8	1.1	3
75	Effect of the MotB(D33N) mutation on stator assembly and rotation of the proton-driven bacterial flagellar motor. <i>Biophysics (Nagoya-shi, Japan)</i> , 2014 , 10, 35-41		3
74	Common and distinct structural features of Salmonella injectisome and flagellar basal body. <i>Scientific Reports</i> , 2013 , 3, 3369	4.9	109
73	Interactions of bacterial flagellar chaperone-substrate complexes with FlhA contribute to co-ordinating assembly of the flagellar filament. <i>Molecular Microbiology</i> , 2013 , 90, 1249-61	4.1	65
72	Na ⁺ conductivity of the Na ⁺ -driven flagellar motor complex composed of unplugged wild-type or mutant PomB with PomA. <i>Journal of Biochemistry</i> , 2013 , 153, 441-51	3.1	18
71	Distinct roles of highly conserved charged residues at the MotA-FliG interface in bacterial flagellar motor rotation. <i>Journal of Bacteriology</i> , 2013 , 195, 474-81	3.5	67
70	Interaction between FliJ and FlhA, components of the bacterial flagellar type III export apparatus. <i>Journal of Bacteriology</i> , 2013 , 195, 466-73	3.5	41

69	Role of the Dc domain of the bacterial hook protein FlgE in hook assembly and function. <i>Biophysics (Nagoya-shi, Japan)</i> , 2013 , 9, 63-72		11
68	Isolation of Salmonella mutants resistant to the inhibitory effect of Salicylidene acylhydrazides on flagella-mediated motility. <i>PLoS ONE</i> , 2013 , 8, e52179	3.7	13
67	The C-terminal periplasmic domain of MotB is responsible for load-dependent control of the number of stators of the bacterial flagellar motor. <i>Biophysics (Nagoya-shi, Japan)</i> , 2013 , 9, 173-81		28
66	Functional defect and restoration of temperature-sensitive mutants of FlhA, a subunit of the flagellar protein export apparatus. <i>Journal of Molecular Biology</i> , 2012 , 415, 855-65	6.5	7
65	Crystallization and preliminary X-ray analysis of the FliH-FliI complex responsible for bacterial flagellar type III protein export. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 1311-4		2
64	Interaction between FliI ATPase and a flagellar chaperone FliT during bacterial flagellar protein export. <i>Molecular Microbiology</i> , 2012 , 83, 168-78	4.1	42
63	Interaction of a bacterial flagellar chaperone FlgN with FlhA is required for efficient export of its cognate substrates. <i>Molecular Microbiology</i> , 2012 , 83, 775-88	4.1	56
62	Coupling between switching regulation and torque generation in bacterial flagellar motor. <i>Physical Review Letters</i> , 2012 , 108, 178105	7.4	22
61	Role of EscP (Orf16) in injectisome biogenesis and regulation of type III protein secretion in enteropathogenic Escherichia coli. <i>Journal of Bacteriology</i> , 2012 , 194, 6029-45	3.5	29
60	Interaction of the extreme N-terminal region of FliH with FlhA is required for efficient bacterial flagellar protein export. <i>Journal of Bacteriology</i> , 2012 , 194, 5353-60	3.5	46
59	Genetic characterization of conserved charged residues in the bacterial flagellar type III export protein FlhA. <i>PLoS ONE</i> , 2011 , 6, e22417	3.7	64
58	. <i>Kagaku To Seibutsu</i> , 2011 , 49, 22-31	0	
57	Common architecture of the flagellar type III protein export apparatus and F- and V-type ATPases. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 277-82	17.6	133
56	An energy transduction mechanism used in bacterial flagellar type III protein export. <i>Nature Communications</i> , 2011 , 2, 475	17.4	113
55	Flagellin redundancy in Caulobacter crescentus and its implications for flagellar filament assembly. <i>Journal of Bacteriology</i> , 2011 , 193, 2695-707	3.5	35
54	Genetic analysis of the bacterial hook-capping protein FlgD responsible for hook assembly. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 1354-1362	2.9	16
53	Structural insight into the rotational switching mechanism of the bacterial flagellar motor. <i>PLoS Biology</i> , 2011 , 9, e1000616	9.7	73
52	M153R mutation in a pH-sensitive green fluorescent protein stabilizes its fusion proteins. <i>PLoS ONE</i> , 2011 , 6, e19598	3.7	31

51	Structure of the cytoplasmic domain of FlhA and implication for flagellar type III protein export. <i>Molecular Microbiology</i> , 2010 , 76, 260-8	4.1	65
50	Charged residues in the cytoplasmic loop of MotA are required for stator assembly into the bacterial flagellar motor. <i>Molecular Microbiology</i> , 2010 , 78, 1117-29	4.1	84
49	Structural insight into the regulatory mechanisms of interactions of the flagellar type III chaperone FliT with its binding partners. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8812-7	11.5	61
48	Evidence for symmetry in the elementary process of bidirectional torque generation by the bacterial flagellar motor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17616-20	11.5	48
47	Role of the C-terminal cytoplasmic domain of FlhA in bacterial flagellar type III protein export. <i>Journal of Bacteriology</i> , 2010 , 192, 1929-36	3.5	47
46	Proton-conductivity assay of plugged and unplugged MotA/B proton channel by cytoplasmic pHluorin expressed in Salmonella. <i>FEBS Letters</i> , 2010 , 584, 1268-72	3.8	61
45	Role of the N-terminal domain of FliI ATPase in bacterial flagellar protein export. <i>FEBS Letters</i> , 2009 , 583, 743-8	3.8	15
44	Crystallization and preliminary X-ray analysis of FliJ, a cytoplasmic component of the flagellar type III protein-export apparatus from Salmonella sp. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009 , 65, 47-50		7
43	Purification, crystallization and preliminary X-ray analysis of FliT, a bacterial flagellar substrate-specific export chaperone. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009 , 65, 825-8		4
42	Stator assembly and activation mechanism of the flagellar motor by the periplasmic region of MotB. <i>Molecular Microbiology</i> , 2009 , 73, 710-8	4.1	128
41	Interaction of FliK with the bacterial flagellar hook is required for efficient export specificity switching. <i>Molecular Microbiology</i> , 2009 , 74, 239-251	4.1	41
40	Roles of the extreme N-terminal region of FliH for efficient localization of the FliH-FliI complex to the bacterial flagellar type III export apparatus. <i>Molecular Microbiology</i> , 2009 , 74, 1471-83	4.1	61
39	ATP-induced FliI hexamerization facilitates bacterial flagellar protein export. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 388, 323-7	3.4	32
38	Effect of intracellular pH on the torque-speed relationship of bacterial proton-driven flagellar motor. <i>Journal of Molecular Biology</i> , 2009 , 386, 332-8	6.5	50
37	Role of a conserved prolyl residue (Pro173) of MotA in the mechanochemical reaction cycle of the proton-driven flagellar motor of Salmonella. <i>Journal of Molecular Biology</i> , 2009 , 393, 300-7	6.5	19
36	Distinct roles of the FliI ATPase and proton motive force in bacterial flagellar protein export. <i>Nature</i> , 2008 , 451, 485-8	50.4	221
35	Molecular motors of the bacterial flagella. <i>Current Opinion in Structural Biology</i> , 2008 , 18, 693-701	8.1	160
34	Mechanisms of type III protein export for bacterial flagellar assembly. <i>Molecular BioSystems</i> , 2008 , 4, 1105-15		149

33	Suppressor analysis of the MotB(D33E) mutation to probe bacterial flagellar motor dynamics coupled with proton translocation. <i>Journal of Bacteriology</i> , 2008 , 190, 6660-7	3.5	47
32	Characterization of the periplasmic domain of MotB and implications for its role in the stator assembly of the bacterial flagellar motor. <i>Journal of Bacteriology</i> , 2008 , 190, 3314-22	3.5	36
31	Structural similarity between the flagellar type III ATPase Flil and F1-ATPase subunits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 485-90	11.5	126
30	The type III flagellar export specificity switch is dependent on FliK ruler and a molecular clock. <i>Journal of Molecular Biology</i> , 2006 , 359, 466-77	6.5	90
29	Oligomerization of the bacterial flagellar ATPase Flil is controlled by its extreme N-terminal region. <i>Journal of Molecular Biology</i> , 2006 , 360, 510-9	6.5	48
28	Two parts of the T3S4 domain of the hook-length control protein FliK are essential for the substrate specificity switching of the flagellar type III export apparatus. <i>Journal of Molecular Biology</i> , 2006 , 362, 1148-58	6.5	54
27	Variation in bacterial flagellins: from sequence to structure. <i>Trends in Microbiology</i> , 2006 , 14, 151-5	12.4	106
26	Flipping the switch: bringing order to flagellar assembly. <i>Trends in Microbiology</i> , 2006 , 14, 519-26	12.4	73
25	Crystallization and preliminary X-ray analysis of Salmonella Flil, the ATPase component of the type III flagellar protein-export apparatus. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006 , 62, 973-5		3
24	Interactions between C ring proteins and export apparatus components: a possible mechanism for facilitating type III protein export. <i>Molecular Microbiology</i> , 2006 , 60, 984-98	4.1	92
23	Measure for measure in the control of type III secretion hook and needle length. <i>Molecular Microbiology</i> , 2005 , 56, 303-8	4.1	33
22	FlhB regulates ordered export of flagellar components via autocleavage mechanism. <i>Journal of Biological Chemistry</i> , 2005 , 280, 41236-42	5.4	114
21	Self-assembly and type III protein export of the bacterial flagellum. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2004 , 7, 5-17	0.9	119
20	Domain organization and function of Salmonella FliK, a flagellar hook-length control protein. <i>Journal of Molecular Biology</i> , 2004 , 341, 491-502	6.5	67
19	Structural and functional analysis of the C-terminal cytoplasmic domain of FlhA, an integral membrane component of the type III flagellar protein export apparatus in Salmonella. <i>Journal of Molecular Biology</i> , 2004 , 343, 457-66	6.5	57
18	Effect of intracellular pH on rotational speed of bacterial flagellar motors. <i>Journal of Bacteriology</i> , 2003 , 185, 1190-4	3.5	85
17	Substrate specificity classes and the recognition signal for Salmonella type III flagellar export. <i>Journal of Bacteriology</i> , 2003 , 185, 2485-92	3.5	65
16	The ATPase Flil can interact with the type III flagellar protein export apparatus in the absence of its regulator, FliH. <i>Journal of Bacteriology</i> , 2003 , 185, 3983-8	3.5	72

15	Molecular dissection of Salmonella FliH, a regulator of the ATPase FliI and the type III flagellar protein export pathway. <i>Molecular Microbiology</i> , 2002 , 45, 967-82	4.1	78
14	Structural properties of FliH, an ATPase regulatory component of the Salmonella type III flagellar export apparatus. <i>Journal of Molecular Biology</i> , 2002 , 322, 281-90	6.5	24
13	Intergenic suppression between the flagellar MS ring protein FliF of Salmonella and FlhA, a membrane component of its export apparatus. <i>Journal of Bacteriology</i> , 2001 , 183, 1655-62	3.5	75
12	Proteolytic analysis of the FliH/FliI complex, the ATPase component of the type III flagellar export apparatus of Salmonella. <i>Journal of Molecular Biology</i> , 2001 , 312, 1027-36	6.5	35
11	Interactions among components of the Salmonella flagellar export apparatus and its substrates. <i>Molecular Microbiology</i> , 2000 , 35, 1052-64	4.1	183
10	FliH, a soluble component of the type III flagellar export apparatus of Salmonella, forms a complex with FliI and inhibits its ATPase activity. <i>Molecular Microbiology</i> , 2000 , 37, 1494-503	4.1	140
9	Domain structure of Salmonella FlhB, a flagellar export component responsible for substrate specificity switching. <i>Journal of Bacteriology</i> , 2000 , 182, 4906-14	3.5	146
8	Interaction between FliE and FlgB, a proximal rod component of the flagellar basal body of Salmonella. <i>Journal of Bacteriology</i> , 2000 , 182, 3029-36	3.5	59
7	Role of FliJ in flagellar protein export in Salmonella. <i>Journal of Bacteriology</i> , 2000 , 182, 4207-15	3.5	81
6	Substrate specificity switching of the flagellum-specific export apparatus during flagellar morphogenesis in Salmonella typhimurium. <i>Bioscience, Biotechnology and Biochemistry</i> , 1999 , 63, 1301-3 ^{2.1}		43
5	FliK, the protein responsible for flagellar hook length control in Salmonella, is exported during hook assembly. <i>Molecular Microbiology</i> , 1999 , 34, 295-304	4.1	127
4	Components of the Salmonella flagellar export apparatus and classification of export substrates. <i>Journal of Bacteriology</i> , 1999 , 181, 1388-94	3.5	286
3	Peptidoglycan-hydrolyzing activity of the FlgJ protein, essential for flagellar rod formation in Salmonella typhimurium. <i>Journal of Bacteriology</i> , 1999 , 181, 1555-61	3.5	130
2	Structure of the molecular bushing of the bacterial flagellar motor		2
1	Native structure of flagellar MS ring is formed by 34 subunits with 23-fold and 11-fold subsymmetries		4