

Tohru Minamino

List of Publications by Year in descending order

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141
papers

8,376
citations

34016

52
h-index

56606

83
g-index

149
all docs

149
docs citations

149
times ranked

2937
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight Into Distinct Functional Roles of the Flagellar ATPase Complex for Flagellar Assembly in Salmonella. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	11
2	The FlgN chaperone activates the Na ⁺ -driven engine of the Salmonella flagellar protein export apparatus. <i>Communications Biology</i> , 2021, 4, 335.	2.0	13
3	Two Distinct Conformations in 34 FlIF Subunits Generate Three Different Symmetries within the Flagellar MS-Ring. <i>MBio</i> , 2021, 12, .	1.8	20
4	A positive charge region of Salmonella Flil is required for ATPase formation and efficient flagellar protein export. <i>Communications Biology</i> , 2021, 4, 464.	2.0	12
5	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, e2026587118.	3.3	11
6	The FlhA linker mediates flagellar protein export switching during flagellar assembly. <i>Communications Biology</i> , 2021, 4, 646.	2.0	16
7	Recent Advances in the Bacterial Flagellar Motor Study. <i>Biomolecules</i> , 2021, 11, 741.	1.8	0
8	Structure of the molecular bushing of the bacterial flagellar motor. <i>Nature Communications</i> , 2021, 12, 4469.	5.8	33
9	Native flagellar MS ring is formed by 34 subunits with 23-fold and 11-fold subsymmetries. <i>Nature Communications</i> , 2021, 12, 4223.	5.8	34
10	Genetic Analysis of the Salmonella FliE Protein That Forms the Base of the Flagellar Axial Structure. <i>MBio</i> , 2021, 12, e0239221.	1.8	10
11	Architecture and Assembly of the Bacterial Flagellar Motor Complex. <i>Sub-Cellular Biochemistry</i> , 2021, 96, 297-321.	1.0	7
12	Multiple Roles of Flagellar Export Chaperones for Efficient and Robust Flagellar Filament Formation in Salmonella. <i>Frontiers in Microbiology</i> , 2021, 12, 756044.	1.5	11
13	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, .	1.0	16
14	Direct observation of speed fluctuations of flagellar motor rotation at extremely low load close to zero. <i>Molecular Microbiology</i> , 2020, 113, 755-765.	1.2	11
15	GFP Fusion to the N-Terminus of MotB Affects the Proton Channel Activity of the Bacterial Flagellar Motor in Salmonella. <i>Biomolecules</i> , 2020, 10, 1255.	1.8	3
16	Dynamic exchange of two types of stator units in <i>Bacillus subtilis</i> flagellar motor in response to environmental changes. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2897-2907.	1.9	8
17	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.	1.9	7
18	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.	1.6	16

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19	Structural and Functional Comparison of Salmonella Flagellar Filaments Composed of FljB and FljC. <i>Biomolecules</i> , 2020, 10, 246.	1.8	35
20	Tree of motility “ A proposed history of motility systems in the tree of life. <i>Genes To Cells</i> , 2020, 25, 6-21.	0.5	108
21	In Vitro Autonomous Construction of the Flagellar Axial Structure in Inverted Membrane Vesicles. <i>Biomolecules</i> , 2020, 10, 126.	1.8	9
22	Flagella-Driven Motility of Bacteria. <i>Biomolecules</i> , 2019, 9, 279.	1.8	223
23	Directional Switching Mechanism of the Bacterial Flagellar Motor. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 1075-1081.	1.9	47
24	Molecular Organization and Assembly of the Export Apparatus of Flagellar Type III Secretion Systems. <i>Current Topics in Microbiology and Immunology</i> , 2019, 427, 91-107.	0.7	29
25	Structural Insights into the Substrate Specificity Switch Mechanism of the Type III Protein Export Apparatus. <i>Structure</i> , 2019, 27, 965-976.e6.	1.6	39
26	Mutational analysis of the C-terminal cytoplasmic domain of FlhB, a transmembrane component of the flagellar type III protein export apparatus in <i>Salmonella</i> . <i>Genes To Cells</i> , 2019, 24, 408-421.	0.5	11
27	Novel Insights into Conformational Rearrangements of the Bacterial Flagellar Switch Complex. <i>MBio</i> , 2019, 10, .	1.8	23
28	Insight into structural remodeling of the FlhA ring responsible for bacterial flagellar type III protein export. <i>Science Advances</i> , 2018, 4, eaao7054.	4.7	50
29	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.	0.5	11
30	Novel insights into the mechanism of well-ordered assembly of bacterial flagellar proteins in <i>Salmonella</i> . <i>Scientific Reports</i> , 2018, 8, 1787.	1.6	36
31	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.	1.0	14
32	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.	1.0	17
33	<i>Salmonella</i> Flagellum. , 2018, , .		3
34	In Vitro Reconstitution of Functional Type III Protein Export and Insights into Flagellar Assembly. <i>MBio</i> , 2018, 9, .	1.8	32
35	Hierarchical protein export mechanism of the bacterial flagellar type III protein export apparatus. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	40
36	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.	1.2	40

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37	Electron Microscopy of Motor Structure and Possible Mechanisms. , 2018, , 1-8.		1
38	Fuel of the Bacterial Flagellar Type III Protein Export Apparatus. <i>Methods in Molecular Biology</i> , 2017, 1593, 3-16.	0.4	19
39	Tunnel Formation Inferred from the I-Form Structures of the Proton-Driven Protein Secretion Motor SecDF. <i>Cell Reports</i> , 2017, 19, 895-901.	2.9	38
40	Straight and rigid flagellar hook made by insertion of the FlgG specific sequence into FlgE. <i>Scientific Reports</i> , 2017, 7, 46723.	1.6	27
41	The role of intrinsically disordered C-terminal region of FliK in substrate specificity switching of the bacterial flagellar type III export apparatus. <i>Molecular Microbiology</i> , 2017, 105, 572-588.	1.2	30
42	Identical folds used for distinct mechanical functions of the bacterial flagellar rod and hook. <i>Nature Communications</i> , 2017, 8, 14276.	5.8	60
43	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.	1.6	32
44	Stoichiometry and Turnover of the Stator and Rotor. <i>Methods in Molecular Biology</i> , 2017, 1593, 203-213.	0.4	2
45	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.	1.2	23
46	Na ⁺ -induced structural transition of MotPS for stator assembly of the <i>Bacillus</i> flagellar motor. <i>Science Advances</i> , 2017, 3, eaao4119.	4.7	44
47	Structural differences in the bacterial flagellar motor among bacterial species. <i>Biophysics and Physicobiology</i> , 2017, 14, 191-198.	0.5	47
48	Determination of Local pH Differences within Single Bacterial Cell. <i>Seibutsu Butsuri</i> , 2017, 57, 296-298.	0.0	0
49	Assembly and stoichiometry of the core structure of the bacterial flagellar type III export gate complex. <i>PLoS Biology</i> , 2017, 15, e2002281.	2.6	69
50	Bacterial Intracellular Sodium Ion Measurement using CoroNa Green. <i>Bio-protocol</i> , 2017, 7, e2092.	0.2	4
51	Measurements of Free-swimming Speed of Motile Salmonella Cells in Liquid Media. <i>Bio-protocol</i> , 2017, 7, e2093.	0.2	8
52	Bacterial flagella grow through an injection-diffusion mechanism. <i>ELife</i> , 2017, 6, .	2.8	66
53	Determination of Local pH Differences within Living Salmonella Cells by High-resolution pH Imaging Based on pH-sensitive GFP Derivative, pHluorin(M153R). <i>Bio-protocol</i> , 2017, 7, e2529.	0.2	0
54	Rearrangements of α -helical structures of FlgN chaperone control the binding affinity for its cognate substrates during flagellar type III export. <i>Molecular Microbiology</i> , 2016, 101, 656-670.	1.2	23

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55	High-Resolution pH Imaging of Living Bacterial Cells To Detect Local pH Differences. <i>MBio</i> , 2016, 7, .	1.8	40
56	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.	1.2	32
57	FliH and FliI ensure efficient energy coupling of flagellar type III protein export in <i>Salmonella</i> . <i>MicrobiologyOpen</i> , 2016, 5, 424-435.	1.2	36
58	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, 3633-3638.	3.3	57
59	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.	2.1	69
60	The bacterial flagellar motor and its structural diversity. <i>Trends in Microbiology</i> , 2015, 23, 267-274.	3.5	209
61	Weak Interactions between <i>Salmonella enterica</i> FlhB and Other Flagellar Export Apparatus Proteins Govern Type III Secretion Dynamics. <i>PLoS ONE</i> , 2015, 10, e0134884.	1.1	15
62	Structure and Function of the Bi-Directional Bacterial Flagellar Motor. <i>Biomolecules</i> , 2014, 4, 217-234.	1.8	127
63	Load-sensitive coupling of proton translocation and torque generation in the bacterial flagellar motor. <i>Molecular Microbiology</i> , 2014, 91, 175-184.	1.2	48
64	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, 1215-1218.	0.4	4
65	Assembly and stoichiometry of FliF and FliA in <i>Salmonella</i> flagellar basal body. <i>Molecular Microbiology</i> , 2014, 91, 1214-1226.	1.2	86
66	Protein export through the bacterial flagellar type III export pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1642-1648.	1.9	139
67	Assembly dynamics and the roles of FliI ATPase of the bacterial flagellar export apparatus. <i>Scientific Reports</i> , 2014, 4, 6528.	1.6	72
68	The bacterial flagellar protein export apparatus processively transports flagellar proteins even with extremely infrequent ATP hydrolysis. <i>Scientific Reports</i> , 2014, 4, 7579.	1.6	70
69	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.	0.4	5
70	Common and distinct structural features of <i>Salmonella</i> injectisome and flagellar basal body. <i>Scientific Reports</i> , 2013, 3, 3369.	1.6	124
71	Interactions of bacterial flagellar chaperone-substrate complexes with FliA contribute to coordinating assembly of the flagellar filament. <i>Molecular Microbiology</i> , 2013, 90, 1249-1261.	1.2	86
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, 441-451.	0.9	27

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73	Distinct Roles of Highly Conserved Charged Residues at the MotA-FlgC Interface in Bacterial Flagellar Motor Rotation. <i>Journal of Bacteriology</i> , 2013, 195, 474-481.	1.0	78
74	Interaction between FliJ and FlhA, Components of the Bacterial Flagellar Type III Export Apparatus. <i>Journal of Bacteriology</i> , 2013, 195, 466-473.	1.0	59
75	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.	0.4	19
76	Isolation of Salmonella Mutants Resistant to the Inhibitory Effect of Salicylidene acylhydrazides on Flagella-Mediated Motility. <i>PLoS ONE</i> , 2013, 8, e52179.	1.1	16
77	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, 173-181.	0.4	35
78	Coupling between Switching Regulation and Torque Generation in Bacterial Flagellar Motor. <i>Physical Review Letters</i> , 2012, 108, 178105.	2.9	28
79	Role of EscP (Orf16) in Injectisome Biogenesis and Regulation of Type III Protein Secretion in Enteropathogenic <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2012, 194, 6029-6045.	1.0	32
80	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, 5353-5360.	1.0	52
81	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, 855-865.	2.0	11
82	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, 1311-1314.	0.7	2
83	Interaction between FliI ATPase and a flagellar chaperone FliT during bacterial flagellar protein export. <i>Molecular Microbiology</i> , 2012, 83, 168-178.	1.2	50
84	Interaction of a bacterial flagellar chaperone FlgN with FlhA is required for efficient export of its cognate substrates. <i>Molecular Microbiology</i> , 2012, 83, 775-788.	1.2	76
85	Genetic Characterization of Conserved Charged Residues in the Bacterial Flagellar Type III Export Protein FlhA. <i>PLoS ONE</i> , 2011, 6, e22417.	1.1	73
86	Title is missing!. <i>Kagaku To Seibutsu</i> , 2011, 49, 22-31.	0.0	0
87	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, 277-282.	3.6	161
88	An energy transduction mechanism used in bacterial flagellar type III protein export. <i>Nature Communications</i> , 2011, 2, 475.	5.8	141
89	Flagellin Redundancy in <i>Caulobacter crescentus</i> and Its Implications for Flagellar Filament Assembly. <i>Journal of Bacteriology</i> , 2011, 193, 2695-2707.	1.0	52
90	Genetic analysis of the bacterial hook-capping protein FlgD responsible for hook assembly. <i>Microbiology (United Kingdom)</i> , 2011, 157, 1354-1362.	0.7	28

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91	Structural Insight into the Rotational Switching Mechanism of the Bacterial Flagellar Motor. PLoS Biology, 2011, 9, e1000616.	2.6	88
92	M153R Mutation in a pH-Sensitive Green Fluorescent Protein Stabilizes Its Fusion Proteins. PLoS ONE, 2011, 6, e19598.	1.1	38
93	Proton conductivity assay of plugged and unplugged MotA/B proton channel by cytoplasmic pHluorin expressed in <i>Salmonella</i> . FEBS Letters, 2010, 584, 1268-1272.	1.3	78
94	Structure of the cytoplasmic domain of FlhA and implication for flagellar type III protein export. Molecular Microbiology, 2010, 76, 260-268.	1.2	80
95	Charged residues in the cytoplasmic loop of MotA are required for stator assembly into the bacterial flagellar motor. Molecular Microbiology, 2010, 78, 1117-1129.	1.2	106
96	Structural insight into the regulatory mechanisms of interactions of the flagellar type III chaperone FliT with its binding partners. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8812-8817.	3.3	73
97	Evidence for symmetry in the elementary process of bidirectional torque generation by the bacterial flagellar motor. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17616-17620.	3.3	55
98	Role of the C-Terminal Cytoplasmic Domain of FlhA in Bacterial Flagellar Type III Protein Export. Journal of Bacteriology, 2010, 192, 1929-1936.	1.0	57
99	Role of the N-terminal domain of FliI ATPase in bacterial flagellar protein export. FEBS Letters, 2009, 583, 743-748.	1.3	18
100	Crystallization and preliminary X-ray analysis of FliJ, a cytoplasmic component of the flagellar type III protein-export apparatus from <i>Salmonella</i> sp.. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 47-50.	0.7	9
101	Purification, crystallization and preliminary X-ray analysis of FliT, a bacterial flagellar substrate-specific export chaperone. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 825-828.	0.7	5
102	Stator assembly and activation mechanism of the flagellar motor by the periplasmic region of MotB. Molecular Microbiology, 2009, 73, 710-718.	1.2	170
103	Interaction of FliK with the bacterial flagellar hook is required for efficient export specificity switching. Molecular Microbiology, 2009, 74, 239-251.	1.2	52
104	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. Molecular Microbiology, 2009, 74, 1471-1483.	1.2	70
105	ATP-induced FliI hexamerization facilitates bacterial flagellar protein export. Biochemical and Biophysical Research Communications, 2009, 388, 323-327.	1.0	41
106	Effect of Intracellular pH on the Torque-Speed Relationship of Bacterial Proton-Driven Flagellar Motor. Journal of Molecular Biology, 2009, 386, 332-338.	2.0	66
107	Role of a Conserved Prolyl Residue (Pro173) of MotA in the Mechanochemical Reaction Cycle of the Proton-Driven Flagellar Motor of <i>Salmonella</i> . Journal of Molecular Biology, 2009, 393, 300-307.	2.0	24
108	Distinct roles of the FliI ATPase and proton motive force in bacterial flagellar protein export. Nature, 2008, 451, 485-488.	13.7	266

#	ARTICLE	IF	CITATIONS
109	Molecular motors of the bacterial flagella. <i>Current Opinion in Structural Biology</i> , 2008, 18, 693-701.	2.6	190
110	Mechanisms of type III protein export for bacterial flagellar assembly. <i>Molecular BioSystems</i> , 2008, 4, 1105.	2.9	171
111	Suppressor Analysis of the MotB(D33E) Mutation To Probe Bacterial Flagellar Motor Dynamics Coupled with Proton Translocation. <i>Journal of Bacteriology</i> , 2008, 190, 6660-6667.	1.0	58
112	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, 3314-3322.	1.0	40
113	Structural similarity between the flagellar type III ATPase FliI and F1-ATPase subunits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 485-490.	3.3	146
114	The Type III Flagellar Export Specificity Switch is Dependent on FliK Ruler and a Molecular Clock. <i>Journal of Molecular Biology</i> , 2006, 359, 466-477.	2.0	100
115	Oligomerization of the Bacterial Flagellar ATPase FliI is Controlled by its Extreme N-terminal Region. <i>Journal of Molecular Biology</i> , 2006, 360, 510-519.	2.0	54
116	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, 1148-1158.	2.0	61
117	Variation in bacterial flagellins: from sequence to structure. <i>Trends in Microbiology</i> , 2006, 14, 151-155.	3.5	129
118	Flipping the switch: bringing order to flagellar assembly. <i>Trends in Microbiology</i> , 2006, 14, 519-526.	3.5	79
119	Crystallization and preliminary X-ray analysis of Salmonella FliI, the ATPase component of the type III flagellar protein-export apparatus. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 973-975.	0.7	3
120	Interactions between C ring proteins and export apparatus components: a possible mechanism for facilitating type III protein export. <i>Molecular Microbiology</i> , 2006, 60, 984-998.	1.2	102
121	Measure for measure in the control of type III secretion hook and needle length. <i>Molecular Microbiology</i> , 2005, 56, 303-308.	1.2	35
122	FliB Regulates Ordered Export of Flagellar Components via Autocleavage Mechanism. <i>Journal of Biological Chemistry</i> , 2005, 280, 41236-41242.	1.6	126
123	Self-Assembly and Type III Protein Export of the Bacterial Flagellum. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2004, 7, 5-17.	1.0	146
124	Domain Organization and Function of Salmonella FliK, a Flagellar Hook-length Control Protein. <i>Journal of Molecular Biology</i> , 2004, 341, 491-502.	2.0	75
125	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, 457-466.	2.0	64
126	Effect of Intracellular pH on Rotational Speed of Bacterial Flagellar Motors. <i>Journal of Bacteriology</i> , 2003, 185, 1190-1194.	1.0	99

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127	Substrate Specificity Classes and the Recognition Signal for Salmonella Type III Flagellar Export. <i>Journal of Bacteriology</i> , 2003, 185, 2485-2492.	1.0	75
128	The ATPase FliI Can Interact with the Type III Flagellar Protein Export Apparatus in the Absence of Its Regulator, FliH. <i>Journal of Bacteriology</i> , 2003, 185, 3983-3988.	1.0	77
129	Structural Properties of FliH, an ATPase Regulatory Component of the Salmonella Type III Flagellar Export Apparatus. <i>Journal of Molecular Biology</i> , 2002, 322, 281-290.	2.0	27
130	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, 967-982.	1.2	86
131	Proteolytic analysis of the FliH/FliI complex, the ATPase component of the type III flagellar export apparatus of Salmonella. Edited by M. F. Moody. <i>Journal of Molecular Biology</i> , 2001, 312, 1027-1036.	2.0	38
132	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, 1655-1662.	1.0	85
133	Interactions among components of the Salmonella flagellar export apparatus and its substrates. <i>Molecular Microbiology</i> , 2000, 35, 1052-1064.	1.2	196
134	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, 1494-1503.	1.2	162
135	Domain Structure of Salmonella FlhB, a Flagellar Export Component Responsible for Substrate Specificity Switching. <i>Journal of Bacteriology</i> , 2000, 182, 4906-4914.	1.0	159
136	Interaction between FliE and FlgB, a Proximal Rod Component of the Flagellar Basal Body of Salmonella. <i>Journal of Bacteriology</i> , 2000, 182, 3029-3036.	1.0	75
137	Role of FliJ in Flagellar Protein Export in Salmonella. <i>Journal of Bacteriology</i> , 2000, 182, 4207-4215.	1.0	86
138	Substrate Specificity Switching of the Flagellum-specific Export Apparatus during Flagellar Morphogenesis in Salmonella typhimurium. <i>Bioscience, Biotechnology and Biochemistry</i> , 1999, 63, 1301-1303.	0.6	46
139	FliK, the protein responsible for flagellar hook length control in Salmonella, is exported during hook assembly. <i>Molecular Microbiology</i> , 1999, 34, 295-304.	1.2	141
140	Components of the Salmonella Flagellar Export Apparatus and Classification of Export Substrates. <i>Journal of Bacteriology</i> , 1999, 181, 1388-1394.	1.0	321
141	Peptidoglycan-Hydrolyzing Activity of the FlgJ Protein, Essential for Flagellar Rod Formation in Salmonella typhimurium. <i>Journal of Bacteriology</i> , 1999, 181, 1555-1561.	1.0	159