Naoya Terahara

List of Publications by Year
in descending order

24 papers	706 citations	516710 16 h-index	752698 20 g-index
26 all docs	26 docs citations	26 times ranked	545 citing authors

#	Article	IF	Citations
1	Properties of Motility in Bacillus subtilis Powered by the H+-coupled MotAB Flagellar Stator, Na+-coupled MotPS or Hybrid Stators MotAS or MotPB. Journal of Molecular Biology, 2005, 352, 396-408.	4.2	83
2	Mutations alter the sodium versus proton use of a Bacillus clausii flagellar motor and confer dual ion use on Bacillus subtilis motors. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14359-14364.	7.1	70
3	A Bacillus Flagellar Motor That Can Use Both Na+ and K+ as a Coupling Ion Is Converted by a Single Mutation to Use Only Na+. PLoS ONE, 2012, 7, e46248.	2.5	63
4	Insight into structural remodeling of the FlhA ring responsible for bacterial flagellar type III protein export. Science Advances, 2018, 4, eaao7054.	10.3	50
5	CryoTEM with a Cold Field Emission Gun That Moves Structural Biology into a New Stage. Microscopy and Microanalysis, 2019, 25, 998-999.	0.4	45
6	Na ⁺ -induced structural transition of MotPS for stator assembly of the Bacillus flagellar motor. Science Advances, 2017, 3, eaao4119.	10.3	44
7	Motility and chemotaxis in alkaliphilic Bacillus species. Future Microbiology, 2009, 4, 1137-1149.	2.0	40
8	Autonomous control mechanism of stator assembly in the bacterial flagellar motor in response to changes in the environment. Molecular Microbiology, 2018, 109, 723-734.	2.5	40
9	Structural Insights into the Substrate Specificity Switch Mechanism of the Type III Protein Export Apparatus. Structure, 2019, 27, 965-976.e6.	3.3	39
10	Structural and Functional Comparison of Salmonella Flagellar Filaments Composed of FljB and FliC. Biomolecules, 2020, 10, 246.	4.0	35
11	The tetrameric MotA complex as the core of the flagellar motor stator from hyperthermophilic bacterium. Scientific Reports, 2016, 6, 31526.	3.3	33
12	Load- and polysaccharide-dependent activation of the Na+-type MotPS stator in the Bacillus subtilis flagellar motor. Scientific Reports, 2017, 7, 46081.	3.3	32
13	An Intergenic Stem-Loop Mutation in the Bacillus subtilis ccpA-motPS Operon Increases motPS Transcription and the MotPS Contribution to Motility. Journal of Bacteriology, 2006, 188, 2701-2705.	2.2	28
14	The role of a cytoplasmic loop of MotA in loadâ€dependent assembly and disassembly dynamics of the MotA/B stator complex in the bacterial flagellar motor. Molecular Microbiology, 2017, 106, 646-658.	2.5	23
15	Novel Insights into Conformational Rearrangements of the Bacterial Flagellar Switch Complex. MBio, 2019, 10, .	4.1	23
16	Na+ and flagella-dependent swimming of alkaliphilic Bacillus pseudofirmus OF4: a basis for poor motility at low pH and enhancement in viscous media in an â€œup-motileâ€•variant. Archives of Microbiology, 2007, 187, 239-247.	2.2	18
17	A triangular loop of domain D1 of FlgE is essential for hook assembly but not for the mechanical function. Biochemical and Biophysical Research Communications, 2018, 495, 1789-1794.	2.1	14
18	Below 3ÂÃ... structure of apoferritin using a multipurpose TEM with a side entry cryoholder. Scientific Reports, 2021, 11, 8395.	3.3	9

#	Article	IF	Citations
19	Dynamic exchange of two types of stator units in Bacillus subtilis flagellar motor in response to environmental changes. Computational and Structural Biotechnology Journal, 2020, 18, 2897-2907.	4.1	8
20	Bioenergetics: Cell Motility and Chemotaxis of Extreme Alkaliphiles. , 2011, , 141-162.		6
21	Coupling Ion Specificity of the Flagellar Stator Proteins MotA1/MotB1 of Paenibacillus sp. TCA20. Biomolecules, 2020, 10, 1078.	4.0	3
22	S3.31 A Bacillus flagellar motor switches from proton to sodium gradients for powering motility at alkaline pH. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, S31-S32.	1.0	0
23	Title is missing!. Kagaku To Seibutsu, 2009, 47, 473-479.	0.0	0
24	3P-140 Analysis of the conserved charged residues in flagellar stator proteins Mot A and MotP of Bacillus subtilis.(Molecular motor,The 47th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2009, 49, S174-S175.	0.1	0