

Naoya Terahara

List of Publications by Year in descending order

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24
papers

706
citations

516710

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h-index

752698

20
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26
all docs

26
docs citations

26
times ranked

545
citing authors

#	ARTICLE	IF	CITATIONS
1	Below 3Å... structure of apoferritin using a multipurpose TEM with a side entry cryoholder. Scientific Reports, 2021, 11, 8395.	3.3	9
2	Coupling Ion Specificity of the Flagellar Stator Proteins MotA1/MotB1 of Paenibacillus sp. TCA20. Biomolecules, 2020, 10, 1078.	4.0	3
3	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
4	Structural and Functional Comparison of Salmonella Flagellar Filaments Composed of FljB and FljC. Biomolecules, 2020, 10, 246.	4.0	35
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	Structural Insights into the Substrate Specificity Switch Mechanism of the Type III Protein Export Apparatus. Structure, 2019, 27, 965-976.e6.	3.3	39
7	Novel Insights into Conformational Rearrangements of the Bacterial Flagellar Switch Complex. MBio, 2019, 10, .	4.1	23
8	Insight into structural remodeling of the FlhA ring responsible for bacterial flagellar type III protein export. Science Advances, 2018, 4, eaao7054.	10.3	50
9	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
10	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
11	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
12	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. Molecular Microbiology, 2017, 106, 646-658.	2.5	23
13	Na ⁺ -induced structural transition of MotPS for stator assembly of the Bacillus flagellar motor. Science Advances, 2017, 3, eaao4119.	10.3	44
14	The tetrameric MotA complex as the core of the flagellar motor stator from hyperthermophilic bacterium. Scientific Reports, 2016, 6, 31526.	3.3	33
15	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
16	Bioenergetics: Cell Motility and Chemotaxis of Extreme Alkaliphiles. , 2011, , 141-162.		6
17	Motility and chemotaxis in alkaliphilic Bacillus species. Future Microbiology, 2009, 4, 1137-1149.	2.0	40
18	Title is missing!. Kagaku To Seibutsu, 2009, 47, 473-479.	0.0	0

#	ARTICLE	IF	CITATIONS
19	3P-140 Analysis of the conserved charged residues in flagellar stator proteins Mot A and MotP of <i>Bacillus subtilis</i> . (Molecular motor, The 47th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2009, 49, S174-S175.	0.1	0
20	S3.31 A <i>Bacillus</i> flagellar motor switches from proton to sodium gradients for powering motility at alkaline pH. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S31-S32.	1.0	0
21	Mutations alter the sodium versus proton use of a <i>Bacillus clausii</i> flagellar motor and confer dual ion use on <i>Bacillus subtilis</i> motors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14359-14364.	7.1	70
22	Na ⁺ and flagella-dependent swimming of alkaliphilic <i>Bacillus pseudofirmus</i> OF4: a basis for poor motility at low pH and enhancement in viscous media in an <i>œup-motile</i> variant. <i>Archives of Microbiology</i> , 2007, 187, 239-247.	2.2	18
23	An Intergenic Stem-Loop Mutation in the <i>Bacillus subtilis</i> <i>ccpA-motPS</i> Operon Increases <i>motPS</i> Transcription and the <i>MotPS</i> Contribution to Motility. <i>Journal of Bacteriology</i> , 2006, 188, 2701-2705.	2.2	28
24	Properties of Motility in <i>Bacillus subtilis</i> Powered by the H ⁺ -coupled <i>MotAB</i> Flagellar Stator, Na ⁺ -coupled <i>MotPS</i> or Hybrid Stators <i>MotAS</i> or <i>MotPB</i> . <i>Journal of Molecular Biology</i> , 2005, 352, 396-408.	4.2	83