

# Keiichi Namba

## List of Publications by Year in descending order

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32  
papers

856  
citations

567281

15  
h-index

552781

26  
g-index

43  
all docs

43  
docs citations

43  
times ranked

869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac muscle thin filament structures reveal calcium regulatory mechanism. Nature Communications, 2020, 11, 153.	12.8	145
2	Structure of actomyosin rigour complex at 5.2Å resolution and insights into the ATPase cycle mechanism. Nature Communications, 2017, 8, 13969.	12.8	70
3	Identical folds used for distinct mechanical functions of the bacterial flagellar rod and hook. Nature Communications, 2017, 8, 14276.	12.8	60
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	Na <sup>+</sup> -induced structural transition of MotPS for stator assembly of the <i>Bacillus</i> flagellar motor. Science Advances, 2017, 3, eaao4119.	10.3	44
6	Novel insights into the mechanism of well-ordered assembly of bacterial flagellar proteins in Salmonella. Scientific Reports, 2018, 8, 1787.	3.3	36
7	Structural and Functional Comparison of Salmonella Flagellar Filaments Composed of FljB and FljC. Biomolecules, 2020, 10, 246.	4.0	35
8	Cryo-EM structure of the CENP-A nucleosome in complex with phosphorylated CENP-C. EMBO Journal, 2021, 40, e105671.	7.8	35
9	Native flagellar MS ring is formed by 34 subunits with 23-fold and 11-fold subsymmetries. Nature Communications, 2021, 12, 4223.	12.8	34
10	Structure of the molecular bushing of the bacterial flagellar motor. Nature Communications, 2021, 12, 4469.	12.8	33
11	Structure of the native supercoiled flagellar hook as a universal joint. Nature Communications, 2019, 10, 5295.	12.8	28
12	Periodicity in Attachment Organelle Revealed by Electron Cryotomography Suggests Conformational Changes in Gliding Mechanism of Mycoplasma pneumoniae. MBio, 2016, 7, e00243-16.	4.1	25
13	Cryo-EM structure of a functional monomeric Photosystem I from Thermosynechococcus elongatus reveals red chlorophyll cluster. Communications Biology, 2021, 4, 304.	4.4	25
14	Immunodominant proteins P1 and P40/P90 from human pathogen Mycoplasma pneumoniae. Nature Communications, 2020, 11, 5188.	12.8	22
15	Refined Mechanism of Mycoplasma mobile Gliding Based on Structure, ATPase Activity, and Sialic Acid Binding of Machinery. MBio, 2019, 10, .	4.1	17
16	Structure of Salmonella Flagellar Hook Reveals Intermolecular Domain Interactions for the Universal Joint Function. Biomolecules, 2019, 9, 462.	4.0	16
17	The flexible linker of the secreted FlhK ruler is required for export switching of the flagellar protein export apparatus. Scientific Reports, 2020, 10, 838.	3.3	16
18	The FlhA linker mediates flagellar protein export switching during flagellar assembly. Communications Biology, 2021, 4, 646.	4.4	16

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19	Structural Study of MPN387, an Essential Protein for Gliding Motility of a Human-Pathogenic Bacterium, <i>Mycoplasma pneumoniae</i> . <i>Journal of Bacteriology</i> , 2016, 198, 2352-2359.	2.2	15
20	Architecture of the Bacterial Flagellar Distal Rod and Hook of <i>Salmonella</i> . <i>Biomolecules</i> , 2019, 9, 260.	4.0	15
21	Chained Structure of Dimeric F <sub>1</sub> -like ATPase in <i>Mycoplasma mobile</i> Gliding Machinery. <i>MBio</i> , 2021, 12, e0141421.	4.1	15
22	The FlgN chaperone activates the Na <sup>+</sup> -driven engine of the <i>Salmonella</i> flagellar protein export apparatus. <i>Communications Biology</i> , 2021, 4, 335.	4.4	13
23	A positive charge region of <i>Salmonella</i> Flil is required for ATPase formation and efficient flagellar protein export. <i>Communications Biology</i> , 2021, 4, 464.	4.4	12
24	Direct observation of speed fluctuations of flagellar motor rotation at extremely low load close to zero. <i>Molecular Microbiology</i> , 2020, 113, 755-765.	2.5	11
25	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.	7.1	11
26	Multiple electron transfer pathways of tungsten-containing formate dehydrogenase in direct electron transfer-type bioelectrocatalysis. <i>Chemical Communications</i> , 2022, 58, 6478-6481.	4.1	10
27	In Vitro Autonomous Construction of the Flagellar Axial Structure in Inverted Membrane Vesicles. <i>Biomolecules</i> , 2020, 10, 126.	4.0	9
28	The structure of MgtE in the absence of magnesium provides new insights into channel gating. <i>PLoS Biology</i> , 2021, 19, e3001231.	5.6	8
29	Structure of the bacterial flagellar hook cap provides insights into a hook assembly mechanism. <i>Communications Biology</i> , 2021, 4, 1291.	4.4	6
30	GFP Fusion to the N-Terminus of MotB Affects the Proton Channel Activity of the Bacterial Flagellar Motor in <i>Salmonella</i> . <i>Biomolecules</i> , 2020, 10, 1255.	4.0	3
31	A proposed gear mechanism for torque generation in the flagellar motor. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1004-1006.	8.2	2
32	Recent Advances in the Bacterial Flagellar Motor Study. <i>Biomolecules</i> , 2021, 11, 741.	4.0	0