

Takayuki Kato

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6644566/publications.pdf>

Version: 2024-02-01

27
papers

1,056
citations

516710

16
h-index

552781

26
g-index

39
all docs

39
docs citations

39
times ranked

1424
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Structure and dynamics of <i>Odinarchaeota</i> tubulin and the implications for eukaryotic microtubule evolution. <i>Science Advances</i> , 2022, 8, eabm2225. | 10.3 | 13 |
| 2 | Structural snapshots of V/A-ATPase reveal the rotary catalytic mechanism of rotary ATPases. <i>Nature Communications</i> , 2022, 13, 1213. | 12.8 | 16 |
| 3 | Structural insight into the activation mechanism of MrgD with heterotrimeric G α -protein revealed by cryo-EM. <i>Communications Biology</i> , 2022, 5, . | 4.4 | 8 |
| 4 | Extraction of protein dynamics information from cryo-EM maps using deep learning. <i>Nature Machine Intelligence</i> , 2021, 3, 153-160. | 16.0 | 57 |
| 5 | Cryo-EM structure of a functional monomeric Photosystem I from <i>Thermosynechococcus elongatus</i> reveals red chlorophyll cluster. <i>Communications Biology</i> , 2021, 4, 304. | 4.4 | 25 |
| 6 | Two Distinct Conformations in 34 FlhF Subunits Generate Three Different Symmetries within the Flagellar MS-Ring. <i>MBio</i> , 2021, 12, . | 4.1 | 20 |
| 7 | An infectivity-enhancing site on the SARS-CoV-2 spike protein targeted by antibodies. <i>Cell</i> , 2021, 184, 3452-3466.e18. | 28.9 | 205 |
| 8 | Structure of the molecular bushing of the bacterial flagellar motor. <i>Nature Communications</i> , 2021, 12, 4469. | 12.8 | 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. | 12.8 | 34 |
| 10 | Chained Structure of Dimeric F ₁ -like ATPase in <i>Mycoplasma mobile</i> Gliding Machinery. <i>MBio</i> , 2021, 12, e0141421. | 4.1 | 15 |
| 11 | Functional Analysis of the GPI Transamidase Complex by Screening for Amino Acid Mutations in Each Subunit. <i>Molecules</i> , 2021, 26, 5462. | 3.8 | 5 |
| 12 | Cryo-EM structure of the CENP-A nucleosome in complex with phosphorylated CENP-C. <i>EMBO Journal</i> , 2021, 40, e105671. | 7.8 | 35 |
| 13 | Immunodominant proteins P1 and P40/P90 from human pathogen <i>Mycoplasma pneumoniae</i> . <i>Nature Communications</i> , 2020, 11, 5188. | 12.8 | 22 |
| 14 | Structural and Functional Comparison of <i>Salmonella</i> Flagellar Filaments Composed of FljB and FlhC. <i>Biomolecules</i> , 2020, 10, 246. | 4.0 | 35 |
| 15 | Mechanical inhibition of isolated Vo from V/A-ATPase for proton conductance. <i>ELife</i> , 2020, 9, . | 6.0 | 11 |
| 16 | CryoTEM with a Cold Field Emission Gun That Moves Structural Biology into a New Stage. <i>Microscopy and Microanalysis</i> , 2019, 25, 998-999. | 0.4 | 45 |
| 17 | Structure of <i>Salmonella</i> Flagellar Hook Reveals Intermolecular Domain Interactions for the Universal Joint Function. <i>Biomolecules</i> , 2019, 9, 462. | 4.0 | 16 |
| 18 | Novel Insights into Conformational Rearrangements of the Bacterial Flagellar Switch Complex. <i>MBio</i> , 2019, 10, . | 4.1 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Refined Mechanism of <i>Mycoplasma mobile</i> Gliding Based on Structure, ATPase Activity, and Sialic Acid Binding of Machinery. <i>MBio</i> , 2019, 10, . | 4.1 | 17 |
| 20 | Structure of the native supercoiled flagellar hook as a universal joint. <i>Nature Communications</i> , 2019, 10, 5295. | 12.8 | 28 |
| 21 | Electron Microscopy of Motor Structure and Possible Mechanisms. , 2018, , 1-8. | | 1 |
| 22 | Identical folds used for distinct mechanical functions of the bacterial flagellar rod and hook. <i>Nature Communications</i> , 2017, 8, 14276. | 12.8 | 60 |
| 23 | Assembly and stoichiometry of the core structure of the bacterial flagellar type III export gate complex. <i>PLoS Biology</i> , 2017, 15, e2002281. | 5.6 | 69 |
| 24 | Periodicity in Attachment Organelle Revealed by Electron Cryotomography Suggests Conformational Changes in Gliding Mechanism of <i>Mycoplasma pneumoniae</i> . <i>MBio</i> , 2016, 7, e00243-16. | 4.1 | 25 |
| 25 | Common and distinct structural features of <i>Salmonella</i> injectisome and flagellar basal body. <i>Scientific Reports</i> , 2013, 3, 3369. | 3.3 | 124 |
| 26 | 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 |
| 27 | Specific Arrangement of \pm -Helical Coiled Coils in the Core Domain of the Bacterial Flagellar Hook for the Universal Joint Function. <i>Structure</i> , 2009, 17, 1485-1493. | 3.3 | 73 |