

# Tasuku Hamaguchi

List of Publications by Year  
in descending order

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Version: 2024-02-01

30  
papers

457  
citations

840776  
11  
h-index

794594  
19  
g-index

39  
all docs

39  
docs citations

39  
times ranked

412  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Information and Prospects for Gliding Mechanism of the Pathogenic Bacterium <i>Mycoplasma pneumoniae</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 960.	3.5	57
2	Prospects for the gliding mechanism of <i>Mycoplasma mobile</i> . <i>Current Opinion in Microbiology</i> , 2016, 29, 15-21.	5.1	57
3	A new cryo-EM system for single particle analysis. <i>Journal of Structural Biology</i> , 2019, 207, 40-48.	2.8	57
4	High-resolution cryo-EM structure of photosystem II reveals damage from high-dose electron beams. <i>Communications Biology</i> , 2021, 4, 382.	4.4	45
5	Structure of the far-red light utilizing photosystem I of <i>Acaryochloris marina</i> . <i>Nature Communications</i> , 2021, 12, 2333.	12.8	35
6	Gliding Motility of <i>Mycoplasma mobile</i> on Uniform Oligosaccharides. <i>Journal of Bacteriology</i> , 2015, 197, 2952-2957.	2.2	32
7	Purification, characterization and molecular cloning of a novel endo- $\alpha$ -N-acetylglucosaminidase from the basidiomycete, <i>Flammulina velutipes</i> . <i>Glycobiology</i> , 2010, 20, 420-432.	2.5	22
8	Machine learning-based real-time object locator/evaluator for cryo-EM data collection. <i>Communications Biology</i> , 2021, 4, 1044.	4.4	21
9	Core and rod structures of a thermophilic cyanobacterial light-harvesting phycobilisome. <i>Nature Communications</i> , 2022, 13, .	12.8	20
10	Advances in cryo-EM and ED with a cold-field emission beam and energy filtration â€”Refinements of the CRYO ARM 300 system in RIKEN SPring-8 centerâ€”. <i>Microscopy (Oxford, England)</i> , 2021, 70, 232-240.	1.5	17
11	Identification of novel protein domain for sialyloligosaccharide binding essential to <i>Mycoplasma mobile</i> gliding. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	16
12	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
13	Structural basis for the absence of low-energy chlorophylls in a photosystem I trimer from <i>Gloeobacter violaceus</i> . <i>ELife</i> , 2022, 11, .	6.0	14
14	Cryo-EM structure of monomeric photosystem II at 2.78Å resolution reveals factors important for the formation of dimer. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148471.	1.0	13
15	Theoretical Model of the Far-Red-Light-Adapted Photosystem I Reaction Center of <i>Cyanobacterium Acaryochloris marina</i> Using Chlorophyll <i>d</i> and the Effect of Chlorophyll Exchange. <i>Journal of Physical Chemistry B</i> , 2022, 126, 4009-4021.	2.6	8
16	Evidence for the transglycosylation of complex type oligosaccharides of glycoproteins by endo- $\beta$ -N-acetylglucosaminidase HS. <i>Archives of Biochemistry and Biophysics</i> , 2006, 454, 89-99.	3.0	7
17	Apple latent spherical virus structure with stable capsid frame supports quasi-stable protrusions expediting genome release. <i>Communications Biology</i> , 2020, 3, 488.	4.4	7
18	Transglycosylation of Asparagine-linked Complex-type Oligosaccharides from Glycoproteins by Endo- $\beta$ -N-acetylglucosaminidase HS. <i>Journal of Applied Glycoscience</i> (1999), 2007, 54, 139-146.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Tidy up cryo-EM sample grids with 3D printed tools. Journal of Structural Biology, 2020, 209, 107414.	2.8	1
20	Complementary use of high-resolution and high-precision cryo-ED and EM. Microscopy and Microanalysis, 2021, 27, 204-206.	0.4	1
21	2P150 Gliding and binding of mycoplasma on uniform oligosaccharide(11. Molecular motor,Poster). Seibutsu Butsuri, 2013, 53, S183.	0.1	0
22	3P039 Structural study of neuraminic acid receptor working as foot in Mycoplasma mobile gliding(01A. Protein: Structure,Poster). Seibutsu Butsuri, 2013, 53, S218.	0.1	0
23	2P026 Binding activity of novel sialic acid receptor from gliding bacterium, Mycoplasma mobile(01B.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 54	0.1	0
24	3P031 Gliding and binding of mycoplasma on uniform sialylated oligosaccharide(01B. Protein:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 Seibutsu Butsuri, 2014, 54, S254.	0.1	0
25	C3-P-09Structural analyses of Gli123 protein, essential for<i>Mycoplasma mobile</i>gliding. Microscopy (Oxford, England), 2015, 64, i130.2-i130.	1.5	0
26	Reprint of "Prospects for the gliding mechanism of Mycoplasma mobile" Current Opinion in Microbiology, 2015, 28, 122-128.	5.1	0
27	C3-P-08Structure and function of P1 adhesin of<i>Mycoplasma pneumoniae</i>. Microscopy (Oxford,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 54	1.5	0
28	Luminescent Model by Wide-use 3D Printer. Seibutsu Butsuri, 2017, 57, 216-218.	0.1	0
29	Cryo-EM and ED with a Cold-Field Emission Beam and Energy Filtration. Springer Proceedings in Materials, 2021, , 233-241.	0.3	0
30	[Review: Symposium on Amylases and Related Enzymes] Asparagine-linked Oligosaccharide-releasing Enzymes Produced by Basidiomycetes. Bulletin of Applied Glycoscience, 2011, 1, 159-167.	0.0	0