Hideyuki Matsunami

List of Publications by Year
in descending order

37	1,142	567281 15	414414 32
papers	citations	h-index	g-index

39	39	39	1146
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystal Structures of the Copper-Containing Amine Oxidase from Arthrobacter globiformis in the Holo and Apo Forms:â€‰ Implications for the Biogenesis of Topaquinone,. Biochemistry, 1997, 36, 16116-16133.	2.5	258
2	Structure of the bacterial flagellar hook and implication for the molecular universal joint mechanism. Nature, 2004, 431, 1062-1068.	27.8	176
3	Cryo-EM structure of the Ebola virus nucleoproteinâ€“RNA complex at 3.6ÂÃ... resolution. Nature, 2018, 563, 137-140.	27.8	94
4	PAX6 and SOX2â€dependent regulation of the Sox2 enhancer Nâ€3 involved in embryonic visual system development. Genes To Cells, 2007, 12, 1049-1061.	1.2	87
5	Structure of 3-isopropylmalate dehydrogenase in complex with 3-isopropylmalate at 2.0 Ã¥ resolution: the role of Glu88 in the unique substrate-recognition mechanism. Structure, 1998, 6, 971-982.	3.3	64
6	A partial atomic structure for the flagellar hook of Salmonella typhimurium. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1023-1028.	7.1	50
7	Complete structure of the bacterial flagellar hook reveals extensive set of stabilizing interactions. Nature Communications, 2016, 7, 13425.	12.8	49
8	Cryo-EM Structures of Centromeric Tri-nucleosomes Containing a Central CENP-A Nucleosome. Structure, 2020, 28, 44-53.e4.	3.3	47
9	Characterization of the Periplasmic Domain of MotB and Implications for Its Role in the Stator Assembly of the Bacterial Flagellar Motor. Journal of Bacteriology, 2008, 190, 3314-3322.	2.2	40
10	Inhibition of a type III secretion system by the deletion of a short loop in one of its membrane proteins. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 812-820.	2.5	31
11	Torque transmission mechanism of the curved bacterial flagellar hook revealed by cryo-EM. Nature Structural and Molecular Biology, 2019, 26, 941-945.	8.2	30
12	Structure of polymerized type V pilin reveals assembly mechanism involving protease-mediated strand exchange. Nature Microbiology, 2020, 5, 830-837.	13.3	27
13	Interactions between Bacterial Flagellar Axial Proteins in Their Monomeric State in Solution. Journal of Molecular Biology, 2002, 318, 889-900.	4.2	26
14	Chemical Rescue of a Site-Specific Mutant of Bacterial Copper Amine Oxidase for Generation of the Topa Quinone Cofactorâ€. Biochemistry, 2004, 43, 2178-2187.	2.5	20
15	Gap compression/extension mechanism of bacterial flagellar hook as the molecular universal joint. Journal of Structural Biology, 2007, 157, 481-490.	2.8	19
16	Architecture of the Bacterial Flagellar Distal Rod and Hook of Salmonella. Biomolecules, 2019, 9, 260.	4.0	15
17	Structural insights into bacterial flagellar hooks similarities and specificities. Scientific Reports, 2016, 6, 35552.	3.3	13
18	Metastable asymmetrical structure of a shaftless V ₁ motor. Science Advances, 2019, 5, eaau8149.	10.3	13

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19	Evidence for the hook supercoiling mechanism of the bacterial flagellum. Biophysics and Physicobiology, 2018, 15, 28-32.	1.0	11
20	Structural flexibility of the periplasmic protein, FlgA, regulates flagellar P-ring assembly in Salmonella enterica. Scientific Reports, 2016, 6, 27399.	3.3	10
21	The FlaG regulator is involved in length control of the polar flagella of Campylobacter jejuni. Microbiology (United Kingdom), 2018, 164, 740-750.	1.8	10
22	Crystallization of a core fragment of the flagellar hook protein FlgE. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 2078-2080.	2.5	8
23	Expression, purification, crystallization and preliminary X-ray diffraction analysis of a core fragment of FlgG, a bacterial flagellar rod protein. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 547-550.	0.7	7
24	Overproduction and Substrate Specificity of 3-Isopropylmalate Dehydrogenase fromThiobacillus ferrooxidans. Bioscience, Biotechnology and Biochemistry, 1998, 62, 372-373.	1.3	6
25	Structure of the bacterial flagellar hook cap provides insights into a hook assembly mechanism. Communications Biology, 2021, 4, 1291.	4.4	6
26	Assembly mechanism of the pleomorphic immature poxvirus scaffold. Nature Communications, 2022, 13, 1704.	12.8	6
27	Purification, crystallization and preliminary X-ray analysis of FliT, a bacterial flagellar substrate-specific export chaperone. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 825-828.	0.7	5
28	Purification and characterization of 3-isopropylmalate dehydrogenase from Thiobacillus thiooxidans. Journal of Bioscience and Bioengineering, 2000, 90, 459-461.	2.2	4
29	Crystallization and preliminary X-ray analysis of a C-terminal fragment of FlgJ, a putative flagellar rod cap protein fromSalmonella. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 17-20.	0.7	3
30	Crystallization and preliminary X-ray diffraction analysis of the periplasmic domain of theEscherichia coliaspartate receptor Tar and its complex with aspartate. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1219-1223.	0.8	3
31	Crystallization and preliminary X-ray analysis of FlgA, a periplasmic protein essential for flagellar P-ring assembly. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 310-313.	0.7	2
32	Purification, crystallization and preliminary X-ray crystallographic analysis of the flagellar accessory protein FlaH from the methanogenic archaeonMethanocaldococcus jannaschii. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1543-1545.	0.8	2
33	Crystal Structure and Mutational Analysis of the Periplasmic Flagellar Protein FlgA. Biophysical Journal, 2010, 98, 560a.	0.5	0
34	Molecular Mechanism of the Peptidoglycan Hydrolysis by FlgJ, A Putative Flagellar Rod Cap Protein From Salmonella. Biophysical Journal, 2010, 98, 248a-249a.	0.5	0
35	Cryo-EM Structure of Campylobacter Flagellar Hook. Seibutsu Butsuri, 2017, 57, 265-267.	0.1	0
36	Purification and Characterization of 3-Isopropylmalate Dehydrogenase from Thiobacillus thiooxidans.. Journal of Bioscience and Bioengineering, 2000, 90, 459-461.	2.2	0

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37	Mechanism of Topa Quinone Biogenesis in Copper Amine Oxidase Studied by Site-Directed Mutagenesis and X-Ray Crystallography. , 2000, , 67-70.		0