Fadel A Samatey

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2745911/publications.pdf

Version: 2024-02-01

32	1,338	623734	477307
papers	citations	14 h-index	29 g-index

32	32	32	1232
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure of the bacterial flagellar protofilament and implications for a switch for supercoiling. Nature, 2001, 410, 331-337.	27.8	480
2	Structure of the bacterial flagellar hook and implication for the molecular universal joint mechanism. Nature, 2004, 431, 1062-1068.	27.8	176
3	Structure of Geobacter pili reveals secretory rather than nanowire behaviour. Nature, 2021, 597, 430-434.	27.8	99
4	Transmembrane Î±-Helix Interactions are Required for the Functional Assembly of theEscherichia coliTol Complex. Journal of Molecular Biology, 1995, 246, 1-7.	4.2	98
5	Switch interactions control energy frustration and multiple flagellar filament structures. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4894-4899.	7.1	60
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	Bacterial Flagellin-Specific Chaperone FliS Interacts with Anti-Sigma Factor FlgM. Journal of Bacteriology, 2014, 196, 1215-1221.	2.2	41
9	FliO Regulation of FliP in the Formation of the Salmonella enterica Flagellum. PLoS Genetics, 2010, 6, e1001143.	3.5	37
10	Crystallization of the F41 Fragment of Flagellin and Data Collection from Extremely Thin Crystals. Journal of Structural Biology, 2000, 132, 106-111.	2.8	34
11	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
12	Gap compression/extension mechanism of bacterial flagellar hook as the molecular universal joint. Journal of Structural Biology, 2007, 157, 481-490.	2.8	19
13	Assembling Flagella in Salmonella Mutant Strains Producing a Type III Export Apparatus without FliO. Journal of Bacteriology, 2014, 196, 4001-4011.	2.2	18
14	Rotational orientation of transmembrane Î±-helices in bacteriorhodopsin. Journal of Molecular Biology, 1994, 236, 1093-1104.	4.2	17
15	Function of FlhB, a Membrane Protein Implicated in the Bacterial Flagellar Type III Secretion System. PLoS ONE, 2013, 8, e68384.	2.5	14
16	Structural insights into bacterial flagellar hooks similarities and specificities. Scientific Reports, 2016, 6, 35552.	3.3	13
17	Cross-Complementation Study of the Flagellar Type III Export Apparatus Membrane Protein FlhB. PLoS ONE, 2012, 7, e44030.	2.5	12
18	Function of the conserved FHIPEP domain of the flagellar type III export apparatus, protein FlhA. Molecular Microbiology, 2016, 100, 278-288.	2.5	12

#	Article	IF	Citations
19	Structure of a tropomyosin N-terminal fragment at 0.98â€…Ã… resolution. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 822-825.	2.5	11
20	Structure of FlgK reveals the divergence of the bacterial Hook-Filament Junction of Campylobacter. Scientific Reports, 2017, 7, 15743.	3.3	11
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	Correlation between Supercoiling and Conformational Motions of the Bacterial Flagellar Filament. Biophysical Journal, 2013, 105, 2157-2165.	0.5	9
23	Crystallization of a core fragment of the flagellar hook protein FlgE. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 2078-2080.	2.5	8
24	Structural destabilization of tropomyosin induced by the cardiomyopathyâ€linked mutation R21H. Protein Science, 2018, 27, 498-508.	7.6	8
25	An intrinsically disordered linker controlling the formation and the stability of the bacterial flagellar hook. BMC Biology, 2017, 15, 97.	3.8	6
26	Structure of the bacterial flagellar hook cap provides insights into a hook assembly mechanism. Communications Biology, 2021, 4, 1291.	4.4	6
27	Crystallization of a 79â€…kDa fragment of the hook protein FlgE from Campylobacter jejuni. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1653-1657.	0.7	4
28	Purification, crystallization and preliminary X-ray crystallographic analysis of the C-terminal cytoplasmic domain of FlhB fromAquifex aeolicus. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 280-282.	0.7	3
29	Purification, crystallization and preliminary X-ray crystallographic analysis of the C-terminal cytoplasmic domain of FlhB fromSalmonella typhimurium. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 808-811.	0.7	2
30	Structural Destabilization of Tropomyosin Induced by a Cardiomyopathy-Linked Mutation. Biophysical Journal, 2017, 112, 49a.	0.5	0
31	Probing the Role of Metal Coordination and pH in Assembly and Function of Cytochrome Nanowires. Biophysical Journal, 2020, 118, 335a-336a.	0.5	0
32	Structural Study of the Bacterial Flagellar Motor System as a Molecular Nano-machine.. Nihon Kessho Gakkaishi, 2003, 45, 37-42.	0.0	0