Morgan Beeby

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/676453/publications.pdf

Version: 2024-02-01

		218677	155660
63	3,373	26	55
papers	citations	h-index	g-index

80	80	80	3745
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protein Structures Forming the Shell of Primitive Bacterial Organelles. Science, 2005, 309, 936-938.	12.6	420
2	Crystal Structure of 3-Amino-5-hydroxybenzoic Acid (AHBA) Synthaseâ€,â€¡. Biochemistry, 1999, 38, 9840-9849.	2.5	291
3	Structural diversity of bacterial flagellar motors. EMBO Journal, 2011, 30, 2972-2981.	7.8	281
4	The flagellum in bacterial pathogens: For motility and a whole lot more. Seminars in Cell and Developmental Biology, 2015, 46, 91-103.	5.0	275
5	Architecture of the major component of the type III secretion system export apparatus. Nature Structural and Molecular Biology, 2013, 20, 99-104.	8.2	200
6	The Genomics of Disulfide Bonding and Protein Stabilization in Thermophiles. PLoS Biology, 2005, 3, e309.	5.6	180
7	Diverse high-torque bacterial flagellar motors assemble wider stator rings using a conserved protein scaffold. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1917-26.	7.1	170
8	Architecture and assembly of the <scp>G</scp>ramâ€positive cell wall. Molecular Microbiology, 2013, 88, 664-672.	2.5	116
9	Communication across the bacterial cell envelope depends on the size of the periplasm. PLoS Biology, 2017, 15, e2004303.	5.6	108
10	Escherichia coli Peptidoglycan Structure and Mechanics as Predicted by Atomic-Scale Simulations. PLoS Computational Biology, 2014, 10, e1003475.	3.2	92
11	Nanoscale-length control of the flagellar driveshaft requires hitting the tethered outer membrane. Science, 2017, 356, 197-200.	12.6	86
12	Î³-proteobacteria eject their polar flagella under nutrient depletion, retaining flagellar motor relic structures. PLoS Biology, 2019, 17, e3000165.	5.6	72
13	Evolution of higher torque in Campylobacter-type bacterial flagellar motors. Scientific Reports, 2018, 8, 97.	3.3	70
14	Growth and Localization of Polyhydroxybutyrate Granules in Ralstonia eutropha. Journal of Bacteriology, 2012, 194, 1092-1099.	2.2	65
15	Propulsive nanomachines: the convergent evolution of archaella, flagella and cilia. FEMS Microbiology Reviews, 2020, 44, 253-304.	8.6	60
16	Visualization and interpretation of protein networks in Mycobacterium tuberculosis based on hierarchical clustering of genome-wide functional linkage maps. Nucleic Acids Research, 2003, 31, 7099-7109.	14.5	55
17	Short FtsZ filaments can drive asymmetric cell envelope constriction at the onset of bacterial cytokinesis. EMBO Journal, 2017, 36, 1577-1589.	7.8	55
18	Coarse-grained simulations of bacterial cell wall growth reveal that local coordination alone can be sufficient to maintain rod shape. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3689-98.	7.1	50

#	Article	IF	Citations
19	Expanding the archaellum regulatory network - the eukaryotic protein kinases ArnC and ArnD influence motility ofSulfolobus acidocaldarius. MicrobiologyOpen, 2017, 6, e00414.	3.0	45
20	Motility in the epsilon-proteobacteria. Current Opinion in Microbiology, 2015, 28, 115-121.	5.1	40
21	Campylobacter jejuni motility integrates specialized cell shape, flagellar filament, and motor, to coordinate action of its opposed flagella. PLoS Pathogens, 2020, 16, e1008620.	4.7	40
22	Inter-membrane association of the Sec and BAM translocons for bacterial outer-membrane biogenesis. ELife, 2020, 9, .	6.0	39
23	Activated chemoreceptor arrays remain intact and hexagonally packed. Molecular Microbiology, 2011, 82, 748-757.	2.5	38
24	Adenita: interactive 3D modelling and visualization of DNA nanostructures. Nucleic Acids Research, 2020, 48, 8269-8275.	14.5	33
25	The structure of the periplasmic FlaGâ€“FlaF complex and its essential role for archaellar swimming motility. Nature Microbiology, 2020, 5, 216-225.	13.3	32
26	Exploiting genomic patterns to discover new supramolecular protein assemblies. Protein Science, 2009, 18, 69-79.	7.6	31
27	Insights into the evolution of bacterial flagellar motors from high-throughput in situ electron cryotomography and subtomogram averaging. Acta Crystallographica Section D: Structural Biology, 2018, 74, 585-594.	2.3	30
28	<scp>A</scp>rn<scp>S</scp>, a kinase involved in starvationâ€induced archaellum expression. Molecular Microbiology, 2017, 103, 181-194.	2.5	29
29	Ultrastructure and complex polar architecture of the human pathogen Campylobacter jejuni. MicrobiologyOpen, 2014, 3, 702-710.	3.0	25
30	Bacterial flagellar motor PL-ring disassembly subcomplexes are widespread and ancient. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8941-8947.	7.1	23
31	Diversification of Campylobacter jejuni Flagellar C-Ring Composition Impacts Its Structure and Function in Motility, Flagellar Assembly, and Cellular Processes. MBio, 2020, 11, .	4.1	23
32	In situ structure of the Caulobacter crescentus flagellar motor and visualization of binding of a CheYâ€homolog. Molecular Microbiology, 2020, 114, 443-453.	2.5	22
33	The Brownian and Flowâ€Driven Rotational Dynamics of a Multicomponent DNA Origamiâ€Based Rotor. Small, 2020, 16, e2001855.	10.0	20
34	An ATP-dependent partner switch links flagellar C-ring assembly with gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20826-20835.	7.1	17
35	Adaptation of the periplasm to maintain spatial constraints essential for cell envelope processes and cell viability. ELife, 2022, 11, .	6.0	17
36	In situ imaging of bacterial outer membrane projections and associated protein complexes using electron cryo-tomography. ELife, 2021, 10, .	6.0	16

#	Article	IF	Citations
37	Molecular Models for the Core Components of the Flagellar Type-III Secretion Complex. PLoS ONE, 2016, 11, e0164047.	2.5	14
38	Electron Cryotomography of Bacterial Cells. Journal of Visualized Experiments, 2010, , .	0.3	13
39	Bacterial Flagellins: Does Size Matter?. Trends in Microbiology, 2018, 26, 575-581.	7.7	13
40	Structure of the cytoplasmic domain of SctV (SsaV) from the Salmonella SPI-2 injectisome and implications for a pH sensing mechanism. Journal of Structural Biology, 2021, 213, 107729.	2.8	13
41	Lpp positions peptidoglycan at the AcrA-TolC interface in the AcrAB-TolC multidrug efflux pump. Biophysical Journal, 2021, 120, 3973-3982.	0.5	13
42	Analysis of Cellâ€“Cell Bridges in Haloferax volcanii Using Electron Cryo-Tomography Reveal a Continuous Cytoplasm and S-Layer. Frontiers in Microbiology, 2020, 11, 612239.	3.5	13
43	Proteins in a Small World. Science, 2006, 314, 1882-1883.	12.6	12
44	Simulations suggest a constrictive force is required for Gram-negative bacterial cell division. Nature Communications, 2019, 10, 1259.	12.8	12
45	Giant flagellins form thick flagellar filaments in two species of marine Î³-proteobacteria. PLoS ONE, 2018, 13, e0206544.	2.5	10
46	Trichinella spiralis secretes abundant unencapsulated small RNAs with potential effects on host gene expression. International Journal for Parasitology, 2020, 50, 697-705.	3.1	10
47	CryoEM of bacterial secretion systems: A primer for microbiologists. Molecular Microbiology, 2021, 115, 366-382.	2.5	10
48	Novel transient cytoplasmic rings stabilize assembling bacterial flagellar motors. EMBO Journal, 2022, 41, e109523.	7.8	10
49	Advances in Mycobacterium tuberculosis Structural Genomics: Investigating Potential Chinks in the Armor of a Deadly Pathogen. Infectious Disorders - Drug Targets, 2009, 9, 475-492.	0.8	8
50	The â€œJack-of-all-Tradesâ€•Flagellum From Salmonella and E. coli Was Horizontally Acquired From an Ancestral Î²-Proteobacterium. Frontiers in Microbiology, 2021, 12, 643180.	3.5	6
51	Loss of the Bacterial Flagellar Motor Switch Complex upon Cell Lysis. MBio, 2021, 12, e0029821.	4.1	6
52	Evolution of a family of molecular Rube Goldberg contraptions. PLoS Biology, 2019, 17, e3000405.	5.6	5
53	High-Throughput Electron Cryo-tomography of Protein Complexes and Their Assembly. Methods in Molecular Biology, 2018, 1764, 29-44.	0.9	4
54	Toward Organism-scale Structural Biology: S-layer Reined in by Bacterial LPS. Trends in Biochemical Sciences, 2020, 45, 549-551.	7.5	3

#	Article	IF	Citations
55	Evolution of Archaellum Rotation Involved Invention of a Stator Complex by Duplicating and Modifying a Core Component. Frontiers in Microbiology, 2021, 12, 773386.	3.5	3
56	How Did the Archaellum Get Its Rotation?. Frontiers in Microbiology, 2021, 12, 803720.	3.5	3
57	Electron Cryo-Tomography. Biological and Medical Physics Series, 2018, , 61-94.	0.4	2
58	Title is missing!. , 2020, 16, e1008620.		0
59	Title is missing!. , 2020, 16, e1008620.		0
60	Title is missing!. , 2020, 16, e1008620.		0
61	Title is missing!. , 2020, 16, e1008620.		0
62	Title is missing!. , 2020, 16, e1008620.		0
63	Title is missing!. , 2020, 16, e1008620.		0