Petra Wendler

List of Publications by Year
in descending order

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31	1,688	394421 19	477307 29
papers	citations	h-index	g-index

34	34	34	2152
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and function of the AAA+ nucleotide binding pocket. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 2-14.	4.1	245
2	Structure and function of the AAA+ protein CbbX, a red-type Rubisco activase. Nature, 2011, 479, 194-199.	27.8	141
3	Head-to-tail interactions of the coiled-coil domains regulate ClpB activity and cooperation with Hsp70 in protein disaggregation. ELife, 2014, 3, e02481.	6.0	111
4	Blm3 is part of nascent proteasomes and is involved in a late stage of nuclear proteasome assembly. EMBO Reports, 2003, 4, 959-963.	4.5	107
5	Atypical AAA+ Subunit Packing Creates an Expanded Cavity for Disaggregation by the Protein-Remodeling Factor Hsp104. Cell, 2007, 131, 1366-1377.	28.9	107
6	Structure of green-type Rubisco activase from tobacco. Nature Structural and Molecular Biology, 2011, 18, 1366-1370.	8.2	97
7	Dodecameric Structure and ATPase Activity of the Human TIP48/TIP49 Complex. Journal of Molecular Biology, 2007, 366, 179-192.	4.2	92
8	Motor Mechanism for Protein Threading through Hsp104. Molecular Cell, 2009, 34, 81-92.	9.7	84
9	Structure of the VipA/B Type VI Secretion Complex Suggests a Contraction-State-Specific Recycling Mechanism. Cell Reports, 2014, 8, 20-30.	6.4	74
10	Structure and mechanism of the Swi2/Snf2 remodeller Mot1 in complex with its substrate TBP. Nature, 2011, 475, 403-407.	27.8	73
11	Molecular snapshots of the Pex1/6 AAA+ complex in action. Nature Communications, 2015, 6, 7331.	12.8	71
12	The Bipartite Nuclear Localization Sequence of Rpn2 Is Required for Nuclear Import of Proteasomal Base Complexes via Karyopherin Î±Î² and Proteasome Functions. Journal of Biological Chemistry, 2004, 279, 37751-37762.	3.4	62
13	Structure and mechanism of the Rubisco-assembly chaperone Raf1. Nature Structural and Molecular Biology, 2015, 22, 720-728.	8.2	61
14	Cryo-EM structures reveal intricate Fe-S cluster arrangement and charging in Rhodobacter capsulatus formate dehydrogenase. Nature Communications, 2020, 11, 1912.	12.8	48
15	Mechanism of Enzyme Repair by the AAA+ Chaperone Rubisco Activase. Molecular Cell, 2017, 67, 744-756.e6.	9.7	47
16	AAA-ATPases in Protein Degradation. Frontiers in Molecular Biosciences, 2017, 4, 42.	3.5	46
17	Conserved Distal Loop Residues in the Hsp104 and ClpB Middle Domain Contact Nucleotide-binding Domain 2 and Enable Hsp70-dependent Protein Disaggregation. Journal of Biological Chemistry, 2014, 289, 848-867.	3.4	42
18	Proteasome assembly from 15S precursors involves major conformational changes and recycling of the Pba1â€“Pba2 chaperone. Nature Communications, 2015, 6, 6123.	12.8	42

#	Article	IF	Citations
19	Structure and Function of p97 and Pex1/6 Type II AAA+ Complexes. Frontiers in Molecular Biosciences, 2017, 4, 33.	3.5	23
20	Structural comparison of contractile nanomachines. AIMS Biophysics, 2015, 2, 88-115.	0.6	20
21	Cryo electron microscopy structures of Hsp100 proteins: crowbars in or out?This paper is one of a selection of papers published in this special issue entitled 8th International Conference on AAA Proteins and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2010, 88, 89-96.	2.0	19
22	Nuclear Transport of Yeast Proteasomes. Frontiers in Molecular Biosciences, 2019, 6, 34.	3.5	18
23	Structural Mapping of Missense Mutations in the Pex1/Pex6 Complex. International Journal of Molecular Sciences, 2019, 20, 3756.	4.1	15
24	Current limits of structural biology: The transient interaction between cytochrome c and photosystem I. Current Research in Structural Biology, 2020, 2, 171-179.	2.2	13
25	Transformation of 2,2â€²-dichlorodiisopropyl ether in mixed and pure culture. Applied Microbiology and Biotechnology, 2001, 56, 491-495.	3.6	9
26	Construction of Highly Ordered Glycoâ€Inside Nanoâ€Assemblies through RAFT Dispersion Polymerization of Galactoseâ€Decorated Monomer. Angewandte Chemie - International Edition, 2021, 60, 11098-11103.	13.8	9
27	Antimicrobial Polymers of Linear and Bottlebrush Architecture: Probing the Membrane Interaction and Physicochemical Properties. Macromolecular Rapid Communications, 2022, 43, .	3.9	6
28	Protein Nanopore Membranes Prepared by a Simple Langmuirâ€“Schaefer Approach. Small, 2021, 17, e2102975.	10.0	3
29	Construction of Highly Ordered Glycoâ€Inside Nanoâ€Assemblies through RAFT Dispersion Polymerization of Galactoseâ€Decorated Monomer. Angewandte Chemie, 2021, 133, 11198-11203.	2.0	1
30	Innentitelbild: Construction of Highly Ordered Glycoâ€Inside Nanoâ€Assemblies through RAFT Dispersion Polymerization of Galactoseâ€Decorated Monomer (Angew. Chem. 20/2021). Angewandte Chemie, 2021, 133, 11098-11098.	2.0	0
31	A RADD approach to probing AAA+ protein function. Nature Structural and Molecular Biology, 2021, 28, 329-330.	8.2	0