

Tillmann Pape

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,427
citations

304743

22
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

2901
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-particle electron cryo-microscopy: towards atomic resolution. Quarterly Reviews of Biophysics, 2000, 33, 307-369.	5.7	535
2	Structural basis of synaptic vesicle assembly promoted by α -synuclein. Nature Communications, 2016, 7, 12563.	12.8	203
3	Structure of the Escherichia coli ribosomal termination complex with release factor 2. Nature, 2003, 421, 90-94.	27.8	191
4	Conformational switch in the decoding region of 16S rRNA during aminoacyl-tRNA selection on the ribosome. Nature Structural Biology, 2000, 7, 104-107.	9.7	177
5	Initial Binding of the Elongation Factor Tu-GTP-Aminoacyl-tRNA Complex Preceding Codon Recognition on the Ribosome. Journal of Biological Chemistry, 1996, 271, 646-652.	3.4	142
6	The Escherichia coli large ribosomal subunit at 7.5 Å... resolution. Structure, 1999, 7, 1575-1583.	3.3	127
7	Modus operandi of the bacterial RNA polymerase containing the σ^{54} promoter-specificity factor. Molecular Microbiology, 2008, 68, 538-546.	2.5	118
8	Hexameric ring structure of the full-length archaeal MCM protein complex. EMBO Reports, 2003, 4, 1079-1083.	4.5	112
9	Structure and mechanism of action of the BRCA2 breast cancer tumor suppressor. Nature Structural and Molecular Biology, 2014, 21, 962-968.	8.2	95
10	Atomic Resolution Insights into Curli Fiber Biogenesis. Structure, 2011, 19, 1307-1316.	3.3	82
11	The HsiB1C1 (TssB-TssC) Complex of the Pseudomonas aeruginosa Type VI Secretion System Forms a Bacteriophage Tail Sheathlike Structure. Journal of Biological Chemistry, 2013, 288, 7536-7548.	3.4	77
12	Intact Aminoacyl-tRNA Is Required To Trigger GTP Hydrolysis by Elongation Factor Tu on the Ribosome. Biochemistry, 2000, 39, 1734-1738.	2.5	71
13	Organization of an Activator-Bound RNA Polymerase Holoenzyme. Molecular Cell, 2008, 32, 337-346.	9.7	66
14	Hexameric ring structure of the full-length archaeal MCM protein complex. EMBO Reports, 2003, 4, 1079-1083.	4.5	61
15	Structural basis of the Methanothermobacter thermautotrophicus MCM helicase activity. Nucleic Acids Research, 2006, 34, 5829-5838.	14.5	57
16	Structural insights into the biogenesis and biofilm formation by the Escherichia coli common pilus. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3950-3955.	7.1	55
17	Structural studies of the archaeal MCM complex in different functional states. Journal of Structural Biology, 2006, 156, 210-219.	2.8	46
18	Structures of the Cmr β Complex Reveal the Regulation of the Immunity Mechanism of Type III-B CRISPR-Cas. Molecular Cell, 2020, 79, 741-757.e7.	9.7	43

#	ARTICLE	IF	CITATIONS
19	Elongation factor Tu, a GTPase triggered by codon recognition on the ribosome: mechanism and GTP consumption. <i>Biochemistry and Cell Biology</i> , 1995, 73, 1221-1227.	2.0	36
20	Characterization of PSII-LHCII supercomplexes isolated from pea thylakoid membrane by one-step treatment with 1- and 12-dodecyl- α -maltoside. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 3389-3399.	4.0	35
21	Proteomic characterization and three-dimensional electron microscopy study of PSII-LHCII supercomplexes from higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1454-1462.	1.0	31
22	Dissecting the ATP hydrolysis pathway of bacterial enhancer-binding proteins. <i>Biochemical Society Transactions</i> , 2008, 36, 83-88.	3.4	25
23	Structure of the mini-RNA-guided endonuclease CRISPR-Cas12j3. <i>Nature Communications</i> , 2021, 12, 4476.	12.8	23
24	Direct localization by cryo-electron microscopy of secondary structural elements in Escherichia coli 23 S rRNA which differ from the corresponding regions in Haloarcula marismortui11 Edited by D. E. Draper. <i>Journal of Molecular Biology</i> , 2001, 307, 1341-1349.	4.2	13
25	Mechanisms of Partial Reactions of the Elongation Cycle Catalyzed by Elongation Factors Tu and G. , 0, , 299-317.		5
26	Visualization of the Translational Elongation Cycle by Cryo-Electron Microscopy. , 0, , 35-44.		1
27	Ribosome structure and function by single-particle cryo-EM. <i>Biochemical Society Transactions</i> , 2002, 30, A17-A17.	3.4	0