

# Jörg Martin

## List of Publications by Year in descending order

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30  
papers

2,658  
citations

471509

17  
h-index

454955

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2049  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaperonin-mediated protein folding at the surface of groEL through a 'molten globule'-like intermediate. <i>Nature</i> , 1991, 352, 36-42.	27.8	900
2	Protein folding in the central cavity of the GroEL-GroES chaperonin complex. <i>Nature</i> , 1996, 379, 420-426.	27.8	370
3	AAA proteins. <i>Current Opinion in Structural Biology</i> , 2002, 12, 746-753.	5.7	319
4	The reaction cycle of GroEL and GroES in chaperonin-assisted protein folding. <i>Nature</i> , 1993, 366, 228-233.	27.8	291
5	Structure and Activity of the N-Terminal Substrate Recognition Domains in Proteasomal ATPases. <i>Molecular Cell</i> , 2009, 34, 580-590.	9.7	116
6	Identification of nucleotide-binding regions in the chaperonin proteins GroEL and GroES. <i>Nature</i> , 1993, 366, 279-282.	27.8	103
7	Molecular chaperones and mitochondrial protein folding. <i>Journal of Bioenergetics and Biomembranes</i> , 1997, 29, 35-43.	2.3	65
8	Hsp90 chaperone complexes are required for the activity and stability of yeast protein kinases Mik1, Wee1 and Swe1. <i>FEBS Journal</i> , 2001, 268, 2281-2289.	0.2	53
9	Molecular chaperones in cellular protein folding. <i>BioEssays</i> , 1994, 16, 689-692.	2.5	43
10	Origin of a folded repeat protein from an intrinsically disordered ancestor. <i>ELife</i> , 2016, 5, .	6.0	43
11	The Archaeal Proteasome Is Regulated by a Network of AAA ATPases. <i>Journal of Biological Chemistry</i> , 2012, 287, 39254-39262.	3.4	42
12	Requirement for GroEL/GroES-Dependent Protein Folding under Nonpermissive Conditions of Macromolecular Crowding. <i>Biochemistry</i> , 2002, 41, 5050-5055.	2.5	40
13	A secreted fungal histidine- and alanine-rich protein regulates metal ion homeostasis and oxidative stress. <i>New Phytologist</i> , 2020, 227, 1174-1188.	7.3	35
14	Nested cooperativity and salt dependence of the ATPase activity of the archaeal chaperonin Mm-cpn. <i>FEBS Letters</i> , 2003, 547, 201-204.	2.8	32
15	Nucleotide-dependent protein folding in the type II chaperonin from the mesophilic archaeon <i>Methanococcus maripaludis</i> . <i>Biochemical Journal</i> , 2003, 371, 669-673.	3.7	29
16	Structure and Evolution of N-domains in AAA Metalloproteases. <i>Journal of Molecular Biology</i> , 2015, 427, 910-923.	4.2	23
17	Structural diversity of oligomeric Î²-propellers with different numbers of identical blades. <i>ELife</i> , 2019, 8, .	6.0	21
18	Chaperonins - keeping a lid on folding proteins. <i>FEBS Letters</i> , 2001, 505, 343-347.	2.8	19

#	ARTICLE	IF	CITATIONS
19	Chaperonin functionâ€™ effects of crowding and confinement. <i>Journal of Molecular Recognition</i> , 2004, 17, 465-472.	2.1	19
20	Rpn11-mediated ubiquitin processing in an ancestral archaeal ubiquitination system. <i>Nature Communications</i> , 2018, 9, 2696.	12.8	19
21	High Salt-induced Conversion of <i>Escherichia coli</i> GroEL into a Fully Functional Thermophilic Chaperonin. <i>Journal of Biological Chemistry</i> , 2000, 275, 33504-33511.	3.4	15
22	Inherent chaperone-like activity of aspartic proteases reveals a distant evolutionary relation to double-â€™ barrel domains of AAA-ATPases. <i>Protein Science</i> , 2007, 16, 644-653.	7.6	11
23	The Architecture of the Anbu Complex Reflects an Evolutionary Intermediate at the Origin of the Proteasome System. <i>Structure</i> , 2017, 25, 834-845.e5.	3.3	11
24	Replacement of GroEL in <i>Escherichia coli</i> by the Group II Chaperonin from the Archaeon <i>Methanococcus maripaludis</i> . <i>Journal of Bacteriology</i> , 2016, 198, 2692-2700.	2.2	9
25	Assembly of Chaperonin Complexes. <i>Molecular Biotechnology</i> , 2001, 19, 141-152.	2.4	8
26	Archaeal Connectase is a specific and efficient protein ligase related to proteasome $\hat{2}$ subunits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	7
27	Structural characterization of the bacterial proteasome homolog BPH reveals a tetradecameric double-ring complex with unique inner cavity properties. <i>Journal of Biological Chemistry</i> , 2018, 293, 920-930.	3.4	6
28	Characterization of AMA, a new AAA protein from <i>Archaeoglobus</i> and methanogenic archaea. <i>Journal of Structural Biology</i> , 2006, 156, 130-138.	2.8	5
29	Two unique membrane-bound AAA proteins from <i>Sulfolobus solfataricus</i> . <i>Biochemical Society Transactions</i> , 2009, 37, 118-122.	3.4	1
30	Regulation   AAA-ATPases. , 2021, , 513-523.		1