

Johannes Buchner

List of Publications by Year in descending order

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264
papers

27,150
citations

3919

88
h-index

6979

154
g-index

272
all docs

272
docs citations

272
times ranked

20810
citing authors

#	ARTICLE	IF	CITATIONS
1	The Heat Shock Response: Life on the Verge of Death. <i>Molecular Cell</i> , 2010, 40, 253-266.	4.5	1,603
2	The HSP90 chaperone machinery. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 345-360.	16.1	1,077
3	Some like it hot: the structure and function of small heat-shock proteins. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 842-846.	3.6	736
4	Regulation of Hsp27 Oligomerization, Chaperone Function, and Protective Activity against Oxidative Stress/Tumor Necrosis Factor α by Phosphorylation. <i>Journal of Biological Chemistry</i> , 1999, 274, 18947-18956.	1.6	661
5	Hsp90 & Co. – a holding for folding. <i>Trends in Biochemical Sciences</i> , 1999, 24, 136-141.	3.7	622
6	Hsp90: Chaperoning signal transduction. <i>Journal of Cellular Physiology</i> , 2001, 188, 281-290.	2.0	533
7	GroE facilitates refolding of citrate synthase by suppressing aggregation. <i>Biochemistry</i> , 1991, 30, 1586-1591.	1.2	520
8	Hsp90 chaperones protein folding in vitro. <i>Nature</i> , 1992, 358, 169-170.	13.7	511
9	The Hsp90 Chaperone Machinery. <i>Journal of Biological Chemistry</i> , 2008, 283, 18473-18477.	1.6	479
10	Reduction of disulphide bonds unmasks potent antimicrobial activity of human β -defensin 1. <i>Nature</i> , 2011, 469, 419-423.	13.7	428
11	The Hsp90 chaperone machinery: Conformational dynamics and regulation by co-chaperones. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 624-635.	1.9	424
12	Supervising the fold: functional principles of molecular chaperones. <i>FASEB Journal</i> , 1996, 10, 10-19.	0.2	388
13	Assisting spontaneity: the role of Hsp90 and small Hsps as molecular chaperones. <i>Trends in Biochemical Sciences</i> , 1994, 19, 205-211.	3.7	373
14	Molecular Chaperones – Cellular Machines for Protein Folding. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1098-1113.	7.2	372
15	A method for increasing the yield of properly folded recombinant fusion proteins: Single-chain immunotoxins from renaturation of bacterial inclusion bodies. <i>Analytical Biochemistry</i> , 1992, 205, 263-270.	1.1	365
16	Structure, Function and Regulation of the Hsp90 Machinery. <i>Biomedical Journal</i> , 2013, 36, 106.	1.4	346
17	Protein Aggregation in vitro and in vivo: A Quantitative Model of the Kinetic Competition between Folding and Aggregation. <i>Nature Biotechnology</i> , 1991, 9, 825-829.	9.4	338
18	Transient Interaction of Hsp90 with Early Unfolding Intermediates of Citrate Synthase. <i>Journal of Biological Chemistry</i> , 1995, 270, 7288-7294.	1.6	324

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19	The Small Heat-shock Protein IbpB from <i>Escherichia coli</i> Stabilizes Stress-denatured Proteins for Subsequent Refolding by a Multichaperone Network. <i>Journal of Biological Chemistry</i> , 1998, 273, 11032-11037.	1.6	321
20	Renaturation, Purification and Characterization of Recombinant Fab-Fragments Produced in <i>Escherichia coli</i> . <i>Nature Biotechnology</i> , 1991, 9, 157-162.	9.4	314
21	Dissection of the ATP-induced conformational cycle of the molecular chaperone Hsp90. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 287-293.	3.6	307
22	ThT 101: a primer on the use of thioflavin T to investigate amyloid formation. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2017, 24, 1-16.	1.4	257
23	The chaperone Hsp90: changing partners for demanding clients. <i>Trends in Biochemical Sciences</i> , 2013, 38, 253-262.	3.7	248
24	p53 Contains Large Unstructured Regions in its Native State. <i>Journal of Molecular Biology</i> , 2002, 322, 917-927.	2.0	242
25	The large conformational changes of Hsp90 are only weakly coupled to ATP hydrolysis. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 281-286.	3.6	236
26	The N-terminal Domain of p53 is Natively Unfolded. <i>Journal of Molecular Biology</i> , 2003, 332, 1131-1141.	2.0	225
27	Asymmetric Activation of the Hsp90 Dimer by Its Cochaperone Aha1. <i>Molecular Cell</i> , 2010, 37, 344-354.	4.5	225
28	Independent evolution of the core domain and its flanking sequences in small heat shock proteins. <i>FASEB Journal</i> , 2010, 24, 3633-3642.	0.2	219
29	An Unfolded CH1 Domain Controls the Assembly and Secretion of IgG Antibodies. <i>Molecular Cell</i> , 2009, 34, 569-579.	4.5	209
30	Small heat shock proteins: Simplicity meets complexity. <i>Journal of Biological Chemistry</i> , 2019, 294, 2121-2132.	1.6	205
31	[27] Analysis of chaperone function using citrate synthase as nonnative substrate protein. <i>Methods in Enzymology</i> , 1998, 290, 323-338.	0.4	200
32	Disassembling Protein Aggregates in the Yeast Cytosol. <i>Journal of Biological Chemistry</i> , 2005, 280, 23861-23868.	1.6	191
33	The architecture of functional modules in the Hsp90 co-chaperone Sti1/Hop. <i>EMBO Journal</i> , 2012, 31, 1506-1517.	3.5	190
34	The Hsp90 Cochaperone, FKBP51, Increases Tau Stability and Polymerizes Microtubules. <i>Journal of Neuroscience</i> , 2010, 30, 591-599.	1.7	184
35	Hsp42 is the general small heat shock protein in the cytosol of <i>Saccharomyces cerevisiae</i> . <i>EMBO Journal</i> , 2004, 23, 638-649.	3.5	180
36	Structure, Function, and Regulation of the Hsp90 Machinery. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a034017.	2.3	179

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37	Functional analysis of the hsp90-associated human peptidyl prolyl Cis/Trans isomerases FKBP51, FKBP52 and cyp40 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2001, 308, 795-806.	2.0	177
38	How antibodies fold. <i>Trends in Biochemical Sciences</i> , 2010, 35, 189-198.	3.7	174
39	Coordinated ATP Hydrolysis by the Hsp90 Dimer. <i>Journal of Biological Chemistry</i> , 2001, 276, 33689-33696.	1.6	173
40	Sti1 Is a Non-competitive Inhibitor of the Hsp90 ATPase. <i>Journal of Biological Chemistry</i> , 2003, 278, 10328-10333.	1.6	169
41	The Hsp90 complexâ€”a super-chaperone machine as a novel drug target. <i>Biochemical Pharmacology</i> , 1998, 56, 675-682.	2.0	164
42	Hsp12 Is an Intrinsically Unstructured Stress Protein that Folds upon Membrane Association and Modulates Membrane Function. <i>Molecular Cell</i> , 2010, 39, 507-520.	4.5	163
43	Alternatively folded states of an immunoglobulin. <i>Biochemistry</i> , 1991, 30, 6922-6929.	1.2	162
44	The growing world of small heat shock proteins: from structure to functions. <i>Cell Stress and Chaperones</i> , 2017, 22, 601-611.	1.2	158
45	Analysis of the Interaction of Small Heat Shock Proteins with Unfolding Proteins. <i>Journal of Biological Chemistry</i> , 2003, 278, 18015-18021.	1.6	154
46	Substrate discrimination of the chaperone BiP by autonomous and cochaperone-regulated conformational transitions. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 150-158.	3.6	154
47	The phosphatase Ppt1 is a dedicated regulator of the molecular chaperone Hsp90. <i>EMBO Journal</i> , 2006, 25, 367-376.	3.5	153
48	The Dynamics of Hsp25 Quaternary Structure. <i>Journal of Biological Chemistry</i> , 1999, 274, 14867-14874.	1.6	151
49	Regulated structural transitions unleash the chaperone activity of β -crystallin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3780-9.	3.3	151
50	Hsp90 is regulated by a switch point in the C-terminal domain. <i>EMBO Reports</i> , 2009, 10, 1147-1153.	2.0	146
51	Multiple molecular architectures of the eye lens chaperone β -crystallin elucidated by a triple hybrid approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20491-20496.	3.3	143
52	The Co-chaperone Sba1 Connects the ATPase Reaction of Hsp90 to the Progression of the Chaperone Cycle. <i>Journal of Molecular Biology</i> , 2004, 342, 1403-1413.	2.0	142
53	Substrate Transfer from the Chaperone Hsp70 to Hsp90. <i>Journal of Molecular Biology</i> , 2006, 356, 802-811.	2.0	141
54	Noncatalytic Role of the FKBP52 Peptidyl-Prolyl Isomerase Domain in the Regulation of Steroid Hormone Signaling. <i>Molecular and Cellular Biology</i> , 2007, 27, 8658-8669.	1.1	139

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55	The Charged Linker Region Is an Important Regulator of Hsp90 Function. <i>Journal of Biological Chemistry</i> , 2009, 284, 22559-22567.	1.6	138
56	Hsp90 Regulates the Activity of Wild Type p53 under Physiological and Elevated Temperatures. <i>Journal of Biological Chemistry</i> , 2004, 279, 48846-48854.	1.6	135
57	Mixed Hsp90-cochaperone complexes are important for the progression of the reaction cycle. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 61-66.	3.6	133
58	The chaperone β -crystallin uses different interfaces to capture an amorphous and an amyloid client. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 898-905.	3.6	130
59	Modulation of the Hsp90 Chaperone Cycle by a Stringent Client Protein. <i>Molecular Cell</i> , 2014, 53, 941-953.	4.5	129
60	The Prion Curing Agent Guanidinium Chloride Specifically Inhibits ATP Hydrolysis by Hsp104. <i>Journal of Biological Chemistry</i> , 2004, 279, 7378-7383.	1.6	124
61	Evolution of <i>Escherichia coli</i> for Growth at High Temperatures. <i>Journal of Biological Chemistry</i> , 2010, 285, 19029-19034.	1.6	124
62	The eye lens chaperone β -crystallin forms defined globular assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13272-13277.	3.3	123
63	The Chaperone Activity and Substrate Spectrum of Human Small Heat Shock Proteins. <i>Journal of Biological Chemistry</i> , 2017, 292, 672-684.	1.6	121
64	Reconstitution of a heat shock effect in vitro: influence of GroE on the thermal aggregation of α -glucosidase from yeast. <i>Biochemistry</i> , 1991, 30, 11609-11614.	1.2	120
65	Sti1 Is a Novel Activator of the Ssa Proteins. <i>Journal of Biological Chemistry</i> , 2003, 278, 25970-25976.	1.6	120
66	Conserved Conformational Changes in the ATPase Cycle of Human Hsp90. <i>Journal of Biological Chemistry</i> , 2008, 283, 17757-17765.	1.6	120
67	Alternative bacterial two-component small heat shock protein systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20407-20412.	3.3	119
68	Analysis of the Regulation of the Molecular Chaperone Hsp26 by Temperature-induced Dissociation. <i>Journal of Biological Chemistry</i> , 2004, 279, 11222-11228.	1.6	118
69	IspH Protein of <i>Escherichia coli</i> : Studies on Iron-Sulfur Cluster Implementation and Catalysis. <i>Journal of the American Chemical Society</i> , 2004, 126, 12847-12855.	6.6	116
70	Structural analysis of the interaction between Hsp90 and the tumor suppressor protein p53. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1086-1093.	3.6	116
71	C-terminal regions of Hsp90 are important for trapping the nucleotide during the ATPase cycle 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2000, 303, 583-592.	2.0	115
72	Conformational Switching of the Molecular Chaperone Hsp90 via Regulated Phosphorylation. <i>Molecular Cell</i> , 2012, 45, 517-528.	4.5	114

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73	Human Heat Shock Protein 70 Enhances Tumor Antigen Presentation through Complex Formation and Intracellular Antigen Delivery without Innate Immune Signaling. <i>Journal of Biological Chemistry</i> , 2007, 282, 31688-31702.	1.6	111
74	BiP Binding Sequences in Antibodies. <i>Journal of Biological Chemistry</i> , 1995, 270, 27589-27594.	1.6	107
75	Mouse Hsp25, a small heat shock protein. <i>FEBS Journal</i> , 2000, 267, 1923-1932.	0.2	107
76	Cpr6 and Cpr7, Two Closely Related Hsp90-associated Immunophilins from <i>Saccharomyces cerevisiae</i> , Differ in Their Functional Properties. <i>Journal of Biological Chemistry</i> , 2000, 275, 34140-34146.	1.6	107
77	The Plasticity of the Hsp90 Co-chaperone System. <i>Molecular Cell</i> , 2017, 67, 947-961.e5.	4.5	107
78	Integration of the accelerator Aha1 in the Hsp90 co-chaperone cycle. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 326-331.	3.6	106
79	Structural characterization of the substrate transfer mechanism in Hsp70/Hsp90 folding machinery mediated by Hop. <i>Nature Communications</i> , 2014, 5, 5484.	5.8	104
80	The charged linker of the molecular chaperone Hsp90 modulates domain contacts and biological function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17881-17886.	3.3	100
81	BiP and PDI Cooperate in the Oxidative Folding of Antibodies in Vitro. <i>Journal of Biological Chemistry</i> , 2000, 275, 29421-29425.	1.6	99
82	p53 – A Natural Cancer Killer: Structural Insights and Therapeutic Concepts. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6440-6460.	7.2	98
83	An unstructured C-terminal region of the hsp90 co-chaperone p23 is important for its chaperone function 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 1999, 293, 685-691.	2.0	97
84	Functional Characterization of the Higher Plant Chloroplast Chaperonins. <i>Journal of Biological Chemistry</i> , 1995, 270, 18158-18164.	1.6	96
85	ATP-binding Properties of Human Hsp90. <i>Journal of Biological Chemistry</i> , 1997, 272, 18608-18613.	1.6	95
86	The ATPase Cycle of the Endoplasmic Chaperone Grp94. <i>Journal of Biological Chemistry</i> , 2007, 282, 35612-35620.	1.6	94
87	Structure of the Murine Unglycosylated IgG1 Fc Fragment. <i>Journal of Molecular Biology</i> , 2009, 391, 599-608.	2.0	94
88	A Domain in the N-terminal Part of Hsp26 is Essential for Chaperone Function and Oligomerization. <i>Journal of Molecular Biology</i> , 2004, 343, 445-455.	2.0	93
89	Assessment of the ATP Binding Properties of Hsp90. <i>Journal of Biological Chemistry</i> , 1996, 271, 10035-10041.	1.6	91
90	The ATPase Cycle of the Mitochondrial Hsp90 Analog Trap1. <i>Journal of Biological Chemistry</i> , 2008, 283, 11677-11688.	1.6	91

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91	Activation of the Chaperone Hsp26 Is Controlled by the Rearrangement of Its Thermosensor Domain. <i>Molecular Cell</i> , 2008, 29, 207-216.	4.5	90
92	Membrane Translocation of Binary Actin-ADP-Ribosylating Toxins from <i>Clostridium difficile</i> and <i>Clostridium perfringens</i> Is Facilitated by Cyclophilin A and Hsp90. <i>Infection and Immunity</i> , 2011, 79, 3913-3921.	1.0	90
93	Multiple Distinct Assemblies Reveal Conformational Flexibility in the Small Heat Shock Protein Hsp26. <i>Structure</i> , 2006, 14, 1197-1204.	1.6	87
94	The Yeast Hsp110 Sse1 Functionally Interacts with the Hsp70 Chaperones Ssa and Ssb. <i>Journal of Biological Chemistry</i> , 2005, 280, 41262-41269.	1.6	86
95	Multi-Angle Effector Function Analysis of Human Monoclonal IgG Glycovariants. <i>PLoS ONE</i> , 2015, 10, e0143520.	1.1	86
96	Structure and function of $\hat{I}\pm$ -crystallins: Traversing from in vitro to in vivo. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 149-166.	1.1	82
97	The Activation Mechanism of Hsp26 does not Require Dissociation of the Oligomer. <i>Journal of Molecular Biology</i> , 2005, 350, 1083-1093.	2.0	81
98	Prolyl isomerases catalyze antibody folding in vitro. <i>Protein Science</i> , 1993, 2, 1490-1496.	3.1	80
99	Folding and association of the antibody domain CH3: prolyl isomerization precedes dimerization. <i>Journal of Molecular Biology</i> , 1999, 293, 67-79.	2.0	80
100	Structural Organization of Procaryotic and Eucaryotic Hsp90. INFLUENCE OF DIVALENT CATIONS ON STRUCTURE AND FUNCTION. <i>Journal of Biological Chemistry</i> , 1995, 270, 14412-14419.	1.6	79
101	Review: A Structural View of the GroE Chaperone Cycle. <i>Journal of Structural Biology</i> , 2001, 135, 95-103.	1.3	79
102	Hsp90 charged-linker truncation reverses the functional consequences of weakened hydrophobic contacts in the N domain. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 1141-1147.	3.6	78
103	Importance of cycle timing for the function of the molecular chaperone Hsp90. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 1020-1028.	3.6	78
104	Hsp90 regulates the dynamics of its cochaperone Sti1 and the transfer of Hsp70 between modules. <i>Nature Communications</i> , 2015, 6, 6655.	5.8	76
105	High-resolution structures of the IgM Fc domains reveal principles of its hexamer formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10183-10188.	3.3	73
106	Conformational processing of oncogenic v-Src kinase by the molecular chaperone Hsp90. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3189-98.	3.3	73
107	Cytosolic Hsp70 and Hsp40 chaperones enable the biogenesis of mitochondrial \hat{I}^2 -barrel proteins. <i>Journal of Cell Biology</i> , 2018, 217, 3091-3108.	2.3	72
108	NMR Chemical Shift Perturbation Study of the N-Terminal Domain of Hsp90 upon Binding of ADP, AMP-PNP, Geldanamycin, and Radicicol. <i>ChemBioChem</i> , 2003, 4, 870-877.	1.3	71

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109	Folding Mechanism of the CH2 Antibody Domain. <i>Journal of Molecular Biology</i> , 2004, 344, 107-118.	2.0	69
110	Association of Antibody Chains at Different Stages of Folding: Prolyl Isomerization Occurs after Formation of Quaternary Structure. <i>Journal of Molecular Biology</i> , 1995, 248, 190-201.	2.0	67
111	Dynamics of the GroEL " Protein Complex: Effects of Nucleotides and Folding Mutants. <i>Journal of Molecular Biology</i> , 1996, 258, 74-87.	2.0	67
112	The structural analysis of shark IgNAR antibodies reveals evolutionary principles of immunoglobulins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8155-8160.	3.3	67
113	The Heat Shock Response in Yeast Maintains Protein Homeostasis by Chaperoning and Replenishing Proteins. <i>Cell Reports</i> , 2019, 29, 4593-4607.e8.	2.9	67
114	Renaturation of a Single"Chain Immunotoxin Facilitated by Chaperones and Protein Disulfide Isomerase. <i>Nature Biotechnology</i> , 1992, 10, 682-685.	9.4	65
115	Chaperone Function of sHsps. <i>Progress in Molecular and Subcellular Biology</i> , 2002, 28, 37-59.	0.9	64
116	Intrinsic Inhibition of the Hsp90 ATPase Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 11301-11311.	1.6	64
117	N-terminal Residues Regulate the Catalytic Efficiency of the Hsp90 ATPase Cycle. <i>Journal of Biological Chemistry</i> , 2002, 277, 44905-44910.	1.6	62
118	Role of CypA and Hsp90 in membrane translocation mediated by anthrax protective antigen. <i>Cellular Microbiology</i> , 2011, 13, 359-373.	1.1	62
119	Folding and assembly of the large molecular machine Hsp90 studied in single-molecule experiments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1232-1237.	3.3	62
120	Coordinated Conformational Processing of the Tumor Suppressor Protein p53 by the Hsp70 and Hsp90 Chaperone Machineries. <i>Molecular Cell</i> , 2019, 74, 816-830.e7.	4.5	61
121	Folding and association of Î ² -galactosidase. <i>Journal of Molecular Biology</i> , 1998, 282, 1083-1091.	2.0	60
122	The cytosolic cochaperone Sti1 is relevant for mitochondrial biogenesis and morphology. <i>FEBS Journal</i> , 2016, 283, 3338-3352.	2.2	60
123	Allosteric Regulation Points Control the Conformational Dynamics of the Molecular Chaperone Hsp90. <i>Journal of Molecular Biology</i> , 2016, 428, 4559-4571.	2.0	59
124	Post-translational modification and conformational state of Heat Shock Protein 90 differentially affect binding of chemically diverse small molecule inhibitors. <i>Oncotarget</i> , 2013, 4, 1065-1074.	0.8	58
125	FK506-Binding Protein 52 Phosphorylation: A Potential Mechanism for Regulating Steroid Hormone Receptor Activity. <i>Molecular Endocrinology</i> , 2007, 21, 2956-2967.	3.7	57
126	The effect of the intersubunit disulfide bond on the structural and functional properties of the small heat shock protein Hsp25. <i>International Journal of Biological Macromolecules</i> , 1998, 22, 163-173.	3.6	55

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127	Dissection of the Contribution of Individual Domains to the ATPase Mechanism of Hsp90. <i>Journal of Biological Chemistry</i> , 2003, 278, 39303-39310.	1.6	55
128	Folding and Oxidation of the Antibody Domain CH3. <i>Journal of Molecular Biology</i> , 2002, 319, 1267-1277.	2.0	53
129	Structural Dynamics of Archaeal Small Heat Shock Proteins. <i>Journal of Molecular Biology</i> , 2008, 378, 362-374.	2.0	53
130	Localization of the Chaperone Domain of FKBP52. <i>Journal of Biological Chemistry</i> , 2001, 276, 37034-37041.	1.6	51
131	hsp90: Twist and Fold. <i>Cell</i> , 2006, 127, 251-253.	13.5	51
132	Functional principles and regulation of molecular chaperones. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 114, 1-60.	1.0	50
133	Conformational dynamics modulate the catalytic activity of the molecular chaperone Hsp90. <i>Nature Communications</i> , 2020, 11, 1410.	5.8	50
134	BiP-binding Sequences in HIV gp160. <i>Journal of Biological Chemistry</i> , 1999, 274, 29850-29857.	1.6	49
135	The Chaperone Activity of the Developmental Small Heat Shock Protein Sip1 Is Regulated by pH-Dependent Conformational Changes. <i>Molecular Cell</i> , 2015, 58, 1067-1078.	4.5	48
136	The Small Heat Shock Protein Hsp27 Affects Assembly Dynamics and Structure of Keratin Intermediate Filament Networks. <i>Biophysical Journal</i> , 2013, 105, 1778-1785.	0.2	47
137	The alternatively folded state of the antibody CH3 domain. <i>Journal of Molecular Biology</i> , 2001, 309, 1077-1085.	2.0	46
138	Oncogenic Mutations Reduce the Stability of Src Kinase. <i>Journal of Molecular Biology</i> , 2004, 344, 281-291.	2.0	46
139	BiPPred: Combined sequence and structure based prediction of peptide binding to the Hsp70 chaperone BiP. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 1390-1407.	1.5	46
140	Stabilization of Proteins and Peptides in Diagnostic Immunological Assays by the Molecular Chaperone Hsp25. <i>Analytical Biochemistry</i> , 1998, 259, 218-225.	1.1	45
141	Cns1 Is an Activator of the Ssa1 ATPase Activity. <i>Journal of Biological Chemistry</i> , 2004, 279, 23267-23273.	1.6	45
142	Cooperative Binding of p53 to DNA: Regulation by Protein-Protein Interactions through a Double Salt Bridge. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5247-5251.	7.2	45
143	Modulation of the ATPase Cycle of BiP by Peptides and Proteins. <i>Journal of Molecular Biology</i> , 2003, 330, 137-144.	2.0	43
144	Oxidation in the complementarity-determining regions differentially influences the properties of therapeutic antibodies. <i>MAbs</i> , 2016, 8, 1525-1535.	2.6	43

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145	Refolding and structural characterization of the human p53 tumor suppressor protein. <i>Biophysical Chemistry</i> , 2002, 96, 243-257.	1.5	42
146	Single-molecule force spectroscopy reveals folding steps associated with hormone binding and activation of the glucocorticoid receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11688-11693.	3.3	42
147	The structure and oxidation of the eye lens chaperone α -crystallin. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 1141-1150.	3.6	42
148	The structure of a folding intermediate provides insight into differences in immunoglobulin amyloidogenicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13373-13378.	3.3	41
149	The State of the Art of Chemical Biology. <i>ChemBioChem</i> , 2009, 10, 16-29.	1.3	41
150	Hsp90-mediated regulation of DYRK3 couples stress granule disassembly and growth via mTORC1 signaling. <i>EMBO Reports</i> , 2021, 22, e51740.	2.0	41
151	Bap (Sil1) regulates the molecular chaperone BiP by coupling release of nucleotide and substrate. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 90-100.	3.6	39
152	Breakdown of supersaturation barrier links protein folding to amyloid formation. <i>Communications Biology</i> , 2021, 4, 120.	2.0	39
153	The IMiD target CRBN determines HSP90 activity toward transmembrane proteins essential in multiple myeloma. <i>Molecular Cell</i> , 2021, 81, 1170-1186.e10.	4.5	39
154	Refolding of Inclusion Body Proteins. , 2004, 94, 239-254.		38
155	Bacterial Hsp90 - desperately seeking clients. <i>Molecular Microbiology</i> , 2010, 76, 540-544.	1.2	38
156	Conformational Selection in Substrate Recognition by Hsp70 Chaperones. <i>Journal of Molecular Biology</i> , 2013, 425, 466-474.	2.0	38
157	Scalable Production in Human Cells and Biochemical Characterization of Full-Length Normal and Mutant Huntingtin. <i>PLoS ONE</i> , 2015, 10, e0121055.	1.1	38
158	Formation of She2p tetramers is required for mRNA binding, mRNP assembly, and localization. <i>Rna</i> , 2009, 15, 2002-2012.	1.6	37
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