

Johannes Buchner

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

260
papers

22,096
citations

83
h-index

142
g-index

272
ext. papers

24,791
ext. citations

8.9
avg, IF

7.11
L-index

#	Paper	IF	Citations
260	NudC guides client transfer between the Hsp40/70 and Hsp90 chaperone systems.. <i>Molecular Cell</i> , 2022 ,	17.6	3
259	The switch from client holding to folding in the Hsp70/Hsp90 chaperone machineries is regulated by a direct interplay between co-chaperones.. <i>Molecular Cell</i> , 2022 ,	17.6	2
258	Active unfolding of the glucocorticoid receptor by the Hsp70/Hsp40 chaperone system in single-molecule mechanical experiments.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2119076119	11.5	3
257	Combining Electron Microscopy (EM) and Cross-Linking Mass Spectrometry (XL-MS) for Structural Characterization of Protein Complexes.. <i>Methods in Molecular Biology</i> , 2022 , 2420, 217-232	1.4	
256	Picomolar inhibition of SARS-CoV-2 variants of concern by an engineered ACE2-IgG4-Fc fusion protein. <i>Antiviral Research</i> , 2021 , 196, 105197	10.8	4
255	Phosphorylation activates the yeast small heat shock protein Hsp26 by weakening domain contacts in the oligomer ensemble. <i>Nature Communications</i> , 2021 , 12, 6697	17.4	2
254	Dissection of the amyloid formation pathway in AL amyloidosis. <i>Nature Communications</i> , 2021 , 12, 6516	17.4	3
253	Mechanistic principles of an ultra-long bovine CDR reveal strategies for antibody design. <i>Nature Communications</i> , 2021 , 12, 6737	17.4	0
252	Hsp90-mediated regulation of DYRK3 couples stress granule disassembly and growth via mTORC1 signaling. <i>EMBO Reports</i> , 2021 , 22, e51740	6.5	11
251	The IMiD target CRBN determines HSP90 activity toward transmembrane proteins essential in multiple myeloma. <i>Molecular Cell</i> , 2021 , 81, 1170-1186.e10	17.6	18
250	Breakdown of supersaturation barrier links protein folding to amyloid formation. <i>Communications Biology</i> , 2021 , 4, 120	6.7	15
249	Structural elements in the flexible tail of the co-chaperone p23 coordinate client binding and progression of the Hsp90 chaperone cycle. <i>Nature Communications</i> , 2021 , 12, 828	17.4	10
248	Collagen's primary structure determines collagen:HSP47 complex stoichiometry. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101169	5.4	0
247	Molecular mechanism of amyloidogenic mutations in hypervariable regions of antibody light chains. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100334	5.4	10
246	Imbalances in the eye lens proteome are linked to cataract formation. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 143-151	17.6	11
245	Biogenesis of secretory immunoglobulin M requires intermediate non-native disulfide bonds and engagement of the protein disulfide isomerase ERp44.. <i>EMBO Journal</i> , 2021 , e108518	13	0
244	Client binding shifts the populations of dynamic Hsp90 conformations through an allosteric network.. <i>Science Advances</i> , 2021 , 7, eabl7295	14.3	4

243	Hsp90 Co-chaperones Form Plastic Genetic Networks Adapted to Client Maturation. <i>Cell Reports</i> , 2020 , 32, 108063	10.6	12
242	Conformational dynamics modulate the catalytic activity of the molecular chaperone Hsp90. <i>Nature Communications</i> , 2020 , 11, 1410	17.4	24
241	A methylated lysine is a switch point for conformational communication in the chaperone Hsp90. <i>Nature Communications</i> , 2020 , 11, 1219	17.4	12
240	Fatal amyloid formation in a patient's antibody light chain is caused by a single point mutation. <i>ELife</i> , 2020 , 9,	8.9	18
239	Peptides in proteins. <i>Journal of Peptide Science</i> , 2020 , 26, e3235	2.1	3
238	Regulation of small heat-shock proteins by hetero-oligomer formation. <i>Journal of Biological Chemistry</i> , 2020 , 295, 158-169	5.4	15
237	Domain Interactions Determine the Amyloidogenicity of Antibody Light Chain Mutants. <i>Journal of Molecular Biology</i> , 2020 , 432, 6187-6199	6.5	5
236	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	17.6	37
235	The Co-chaperone Cns1 and the Recruiter Protein Hgh1 Link Hsp90 to Translation Elongation via Chaperoning Elongation Factor 2. <i>Molecular Cell</i> , 2019 , 74, 73-87.e8	17.6	13
234	Structure, Function, and Regulation of the Hsp90 Machinery. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019 , 11,	10.2	88
233	The Hsp90 isoforms from <i>S. cerevisiae</i> differ in structure, function and client range. <i>Nature Communications</i> , 2019 , 10, 3626	17.4	13
232	Autophosphorylation activates c-Src kinase through global structural rearrangements. <i>Journal of Biological Chemistry</i> , 2019 , 294, 13186-13197	5.4	7
231	The IMiD-Target Cereblon Determines Transmembrane Protein Quality Control Promoting Tumor Metabolism. <i>Blood</i> , 2019 , 134, 314-314	2.2	
230	The Heat Shock Response in Yeast Maintains Protein Homeostasis by Chaperoning and Replenishing Proteins. <i>Cell Reports</i> , 2019 , 29, 4593-4607.e8	10.6	33
229	The structure and oxidation of the eye lens chaperone α -crystallin. <i>Nature Structural and Molecular Biology</i> , 2019 , 26, 1141-1150	17.6	21
228	Functional principles and regulation of molecular chaperones. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019 , 114, 1-60	5.3	28
227	Molecular chaperones and protein quality control: an introduction to the JBC Reviews thematic series. <i>Journal of Biological Chemistry</i> , 2019 , 294, 2074-2075	5.4	14
226	Small heat shock proteins: Simplicity meets complexity. <i>Journal of Biological Chemistry</i> , 2019 , 294, 2121-2132	3.13	93

225	A switch point in the molecular chaperone Hsp90 responding to client interaction. <i>Nature Communications</i> , 2018 , 9, 1472	17.4	25
224	Unravelling the Mechanics of a Molecular Chaperone. <i>Biophysical Journal</i> , 2018 , 114, 552a	2.9	
223	Folding and Domain Interactions of Three Orthologs of Hsp90 Studied by Single-Molecule Force Spectroscopy. <i>Structure</i> , 2018 , 26, 96-105.e4	5.2	20
222	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	17.6	24
221	Targeting the FKBP51/GR/Hsp90 Complex to Identify Functionally Relevant Treatments for Depression and PTSD. <i>ACS Chemical Biology</i> , 2018 , 13, 2288-2299	4.9	18
220	Cytosolic Hsp70 and Hsp40 chaperones enable the biogenesis of mitochondrial β -barrel proteins. <i>Journal of Cell Biology</i> , 2018 , 217, 3091-3108	7.3	39
219	The Antibody Light-Chain Linker Regulates Domain Orientation and Amyloidogenicity. <i>Journal of Molecular Biology</i> , 2018 , 430, 4925-4940	6.5	15
218	A single residue switch reveals principles of antibody domain integrity. <i>Journal of Biological Chemistry</i> , 2018 , 293, 17107-17118	5.4	5
217	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	11.5	33
216	Nucleotide-Dependent Dimer Association and Dissociation of the Chaperone Hsp90. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 11373-11380	3.4	6
215	Epigallocatechin-3-gallate preferentially induces aggregation of amyloidogenic immunoglobulin light chains. <i>Scientific Reports</i> , 2017 , 7, 41515	4.9	20
214	An alternative splice variant of human α -crystallin modulates the oligomer ensemble and the chaperone activity of β -crystallins. <i>Cell Stress and Chaperones</i> , 2017 , 22, 541-552	4	5
213	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	2.7	139
212	The HSP90 chaperone machinery. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 345-360	48.7	652
211	The Hsp90 machinery facilitates the transport of diphtheria toxin into human cells. <i>Scientific Reports</i> , 2017 , 7, 613	4.9	25
210	The Chaperone Activity and Substrate Spectrum of Human Small Heat Shock Proteins. <i>Journal of Biological Chemistry</i> , 2017 , 292, 672-684	5.4	84
209	Hsp90 dependence of a kinase is determined by its conformational landscape. <i>Scientific Reports</i> , 2017 , 7, 43996	4.9	19
208	The growing world of small heat shock proteins: from structure to functions. <i>Cell Stress and Chaperones</i> , 2017 , 22, 601-611	4	101

207	In memoriam-Rainer Jaenicke. <i>Protein Science</i> , 2017 , 26, 394-395	6.3	
206	Solid- and solution-state nuclear magnetic resonance spectroscopic studies on antibody light chain amyloid formation and interactions with epigallocatechin gallate. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2017 , 24, 10	2.7	
205	Determinants of the assembly and function of antibody variable domains. <i>Scientific Reports</i> , 2017 , 7, 12276	4.9	16
204	A peptide extension dictates IgM assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8575-E8584	11.5	12
203	A chemical compound inhibiting the Aha1-Hsp90 chaperone complex. <i>Journal of Biological Chemistry</i> , 2017 , 292, 17073-17083	5.4	30
202	The Plasticity of the Hsp90 Co-chaperone System. <i>Molecular Cell</i> , 2017 , 67, 947-961.e5	17.6	73
201	MAK33 antibody light chain amyloid fibrils are similar to oligomeric precursors. <i>PLoS ONE</i> , 2017 , 12, e0181799	17.99	23
200	Structure and function of β -crystallins: Traversing from in vitro to in vivo. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 149-66	4	66
199	Allosteric Regulation Points Control the Conformational Dynamics of the Molecular Chaperone Hsp90. <i>Journal of Molecular Biology</i> , 2016 , 428, 4559-4571	6.5	45
198	The cytosolic cochaperone Sti1 is relevant for mitochondrial biogenesis and morphology. <i>FEBS Journal</i> , 2016 , 283, 3338-52	5.7	40
197	Cross-Linking GPVI-Fc by Anti-Fc Antibodies Potentiates Its Inhibition of Atherosclerotic Plaque- and Collagen-Induced Platelet Activation. <i>JACC Basic To Translational Science</i> , 2016 , 1, 131-142.	8.7	8
196	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, 1232-7	11.5	51
195	A Stable Mutant Predisposes Antibody Domains to Amyloid Formation through Specific Non-Native Interactions. <i>Journal of Molecular Biology</i> , 2016 , 428, 1315-1332	6.5	17
194	BiPPred: Combined sequence- and structure-based prediction of peptide binding to the Hsp70 chaperone BiP. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016 , 84, 1390-407	4.2	32
193	Oxidation in the complementarity-determining regions differentially influences the properties of therapeutic antibodies. <i>MAbs</i> , 2016 , 8, 1525-1535	6.6	27
192	Importance of cycle timing for the function of the molecular chaperone Hsp90. <i>Nature Structural and Molecular Biology</i> , 2016 , 23, 1020-1028	17.6	50
191	Regulation of the Chaperone Function of Small Hsps. <i>Heat Shock Proteins</i> , 2015 , 155-178	0.2	19
190	The Antibody Light-Chain Linker Is Important for Domain Stability and Amyloid Formation. <i>Journal of Molecular Biology</i> , 2015 , 427, 3572-3586	6.5	18

189	The chaperone B-crystallin uses different interfaces to capture an amorphous and an amyloid client. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 898-905	17.6	99
188	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	11.5	62
187	Hsp90 regulates the dynamics of its cochaperone Sti1 and the transfer of Hsp70 between modules. <i>Nature Communications</i> , 2015 , 6, 6655	17.4	66
186	Hop/Sti1 phosphorylation inhibits its co-chaperone function. <i>EMBO Reports</i> , 2015 , 16, 240-9	6.5	24
185	Scalable production in human cells and biochemical characterization of full-length normal and mutant huntingtin. <i>PLoS ONE</i> , 2015 , 10, e0121055	3.7	25
184	The Chaperone Activity of the Developmental Small Heat Shock Protein Sip1 Is Regulated by pH-Dependent Conformational Changes. <i>Molecular Cell</i> , 2015 , 58, 1067-78	17.6	37
183	Multi-Angle Effector Function Analysis of Human Monoclonal IgG Glycovariants. <i>PLoS ONE</i> , 2015 , 10, e0143520	3.7	58
182	Assays to characterize molecular chaperone function in vitro. <i>Methods in Molecular Biology</i> , 2015 , 1292, 39-51	1.4	14
181	p23 and Aha1. <i>Sub-Cellular Biochemistry</i> , 2015 , 78, 113-31	5.5	19
180	Modulation of the Hsp90 chaperone cycle by a stringent client protein. <i>Molecular Cell</i> , 2014 , 53, 941-53	17.6	108
179	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, 8155-60	11.5	49
178	Structural characterization of the substrate transfer mechanism in Hsp70/Hsp90 folding machinery mediated by Hop. <i>Nature Communications</i> , 2014 , 5, 5484	17.4	84
177	GET two for one. <i>Molecular Cell</i> , 2014 , 56, 1-2	17.6	14
176	Artificial accelerators of the molecular chaperone Hsp90 facilitate rate-limiting conformational transitions. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12257-62	16.4	13
175	Protein folding by interaction. <i>Structure</i> , 2014 , 22, 936-7	5.2	1
174	The cochaperone SGTA (small glutamine-rich tetratricopeptide repeat-containing protein alpha) demonstrates regulatory specificity for the androgen, glucocorticoid, and progesterone receptors. <i>Journal of Biological Chemistry</i> , 2014 , 289, 15297-308	5.4	27
173	Principles and engineering of antibody folding and assembly. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 2024-2031	4	25
172	Aktivatoren des molekularen Chaperons Hsp90 erleichtern geschwindigkeitsbestimmende Konformationsänderungen. <i>Angewandte Chemie</i> , 2014 , 126, 12454-12459	3.6	2

171	A residue-specific shift in stability and amyloidogenicity of antibody variable domains. <i>Journal of Biological Chemistry</i> , 2014 , 289, 26829-26846	5.4	14
170	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, 17881-86	11.5	68
169	The small heat shock protein Hsp27 affects assembly dynamics and structure of keratin intermediate filament networks. <i>Biophysical Journal</i> , 2013 , 105, 1778-85	2.9	43
168	The regulatory domain stabilizes the p53 tetramer by intersubunit contacts with the DNA binding domain. <i>Journal of Molecular Biology</i> , 2013 , 425, 144-55	6.5	18
167	Acidification activates ERp44--a molecular litmus test for protein assembly. <i>Molecular Cell</i> , 2013 , 50, 779-81	17.6	1
166	Integration of the accelerator Aha1 in the Hsp90 co-chaperone cycle. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 326-31	17.6	89
165	Unique proline-rich domain regulates the chaperone function of AIPL1. <i>Biochemistry</i> , 2013 , 52, 2089-96	3.2	16
164	The chaperone Hsp90: changing partners for demanding clients. <i>Trends in Biochemical Sciences</i> , 2013 , 38, 253-62	10.3	218
163	Mechanical stability of the antibody domain CH3 homodimer in different oxidation states. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15085-91	16.4	14
162	Conformational selection in substrate recognition by Hsp70 chaperones. <i>Journal of Molecular Biology</i> , 2013 , 425, 466-74	6.5	32
161	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, 10183-8	11.5	57
160	Regulated structural transitions unleash the chaperone activity of B-crystallin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E3780-9	11.5	126
159	Structural and functional analysis of the DEAF-1 and BS69 MYND domains. <i>PLoS ONE</i> , 2013 , 8, e54715	3.7	18
158	Posttranslational modification and conformational state of heat shock protein 90 differentially affect binding of chemically diverse small molecule inhibitors. <i>Oncotarget</i> , 2013 , 4, 1065-74	3.3	46
157	Structure, function and regulation of the hsp90 machinery. <i>Biomedical Journal</i> , 2013 , 36, 106-17	7.1	268
156	The Hsp90 chaperone machinery: conformational dynamics and regulation by co-chaperones. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 624-35	4.9	340
155	The architecture of functional modules in the Hsp90 co-chaperone Sti1/Hop. <i>EMBO Journal</i> , 2012 , 31, 1506-17	13	161
154	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, 20407-12	11.5	83

153	Global analysis of phosphoproteome regulation by the Ser/Thr phosphatase Ppt1 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Proteome Research</i> , 2012 , 11, 2397-408	5.6	21
152	Conformational switching of the molecular chaperone Hsp90 via regulated phosphorylation. <i>Molecular Cell</i> , 2012 , 45, 517-28	17.6	96
151	Structural analysis of the interaction between Hsp90 and the tumor suppressor protein p53. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 1086-93	17.6	97
150	Role of CypA and Hsp90 in membrane translocation mediated by anthrax protective antigen. <i>Cellular Microbiology</i> , 2011 , 13, 359-73	3.9	53
149	Mixed Hsp90-cochaperone complexes are important for the progression of the reaction cycle. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 61-6	17.6	116
148	Substrate discrimination of the chaperone BiP by autonomous and cochaperone-regulated conformational transitions. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 150-8	17.6	125
147	Reduction of disulphide bonds unmasks potent antimicrobial activity of human α -defensin 1. <i>Nature</i> , 2011 , 469, 419-23	50.4	370
146	Closing in on the Hsp90 chaperone-client relationship. <i>Structure</i> , 2011 , 19, 445-6	5.2	11
145	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, 3913-21	3.7	74
144	Multiple molecular architectures of the eye lens chaperone B-crystallin elucidated by a triple hybrid approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20491-6	11.5	118
143	Bacterial Hsp90--desperately seeking clients. <i>Molecular Microbiology</i> , 2010 , 76, 540-4	4.1	26
142	The Hsp90 cochaperone, FKBP51, increases Tau stability and polymerizes microtubules. <i>Journal of Neuroscience</i> , 2010 , 30, 591-9	6.6	146
141	Independent evolution of the core domain and its flanking sequences in small heat shock proteins. <i>FASEB Journal</i> , 2010 , 24, 3633-42	0.9	180
140	Evolution of <i>Escherichia coli</i> for growth at high temperatures. <i>Journal of Biological Chemistry</i> , 2010 , 285, 19029-34	5.4	92
139	Asymmetric activation of the hsp90 dimer by its cochaperone aha1. <i>Molecular Cell</i> , 2010 , 37, 344-54	17.6	193
138	Hsp12 is an intrinsically unstructured stress protein that folds upon membrane association and modulates membrane function. <i>Molecular Cell</i> , 2010 , 39, 507-20	17.6	123
137	The heat shock response: life on the verge of death. <i>Molecular Cell</i> , 2010 , 40, 253-66	17.6	1146
136	Regions outside the alpha-crystallin domain of the small heat shock protein Hsp26 are required for its dimerization. <i>Journal of Molecular Biology</i> , 2010 , 398, 122-31	6.5	28

135	Dissecting the alternatively folded state of the antibody Fab fragment. <i>Journal of Molecular Biology</i> , 2010 , 399, 719-30	6.5	15
134	Structural and mechanical hierarchies in the alpha-crystallin domain dimer of the hyperthermophilic small heat shock protein Hsp16.5. <i>Journal of Molecular Biology</i> , 2010 , 400, 1046-56	6.5	21
133	The Hsp90 co-chaperone p23 of <i>Toxoplasma gondii</i> : Identification, functional analysis and dynamic interactome determination. <i>Molecular and Biochemical Parasitology</i> , 2010 , 172, 129-40	1.9	28
132	How antibodies fold. <i>Trends in Biochemical Sciences</i> , 2010 , 35, 189-98	10.3	129
131	Response to Corcos: exceptions to the rules. <i>Trends in Biochemical Sciences</i> , 2010 , 35, 594	10.3	
130	Experimental optimization of protein refolding with a genetic algorithm. <i>Protein Science</i> , 2010 , 19, 2085-95	6.5	8
129	The charged linker region is an important regulator of Hsp90 function. <i>Journal of Biological Chemistry</i> , 2009 , 284, 22559-67	5.4	112
128	Formation of She2p tetramers is required for mRNA binding, mRNP assembly, and localization. <i>Rna</i> , 2009 , 15, 2002-12	5.8	36
127	Interaction of human heat shock protein 70 with tumor-associated peptides. <i>Biological Chemistry</i> , 2009 , 390, 305-12	4.5	10
126	Structural and functional diversity in the family of small heat shock proteins from the parasite <i>Toxoplasma gondii</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 1738-48	4.9	20
125	Rapid matrix-assisted refolding of histidine-tagged proteins. <i>ChemBioChem</i> , 2009 , 10, 869-76	3.8	17
124	The state of the art of chemical biology. <i>ChemBioChem</i> , 2009 , 10, 16-29	3.8	38
123	Hsp90 is regulated by a switch point in the C-terminal domain. <i>EMBO Reports</i> , 2009 , 10, 1147-53	6.5	129
122	The large conformational changes of Hsp90 are only weakly coupled to ATP hydrolysis. <i>Nature Structural and Molecular Biology</i> , 2009 , 16, 281-6	17.6	196
121	Dissection of the ATP-induced conformational cycle of the molecular chaperone Hsp90. <i>Nature Structural and Molecular Biology</i> , 2009 , 16, 287-93	17.6	263
120	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, 1141-7	17.6	64
119	The eye lens chaperone alpha-crystallin forms defined globular assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13272-7	11.5	102
118	Structure of the murine unglycosylated IgG1 Fc fragment. <i>Journal of Molecular Biology</i> , 2009 , 391, 599-608	6.5	74

117	The folding pathway of the antibody V(L) domain. <i>Journal of Molecular Biology</i> , 2009 , 392, 1326-38	6.5	20
116	An unfolded CH1 domain controls the assembly and secretion of IgG antibodies. <i>Molecular Cell</i> , 2009 , 34, 569-79	17.6	170
115	Structural dynamics of archaeal small heat shock proteins. <i>Journal of Molecular Biology</i> , 2008 , 378, 362-74	4.5	49
114	Activation of the chaperone Hsp26 is controlled by the rearrangement of its thermosensor domain. <i>Molecular Cell</i> , 2008 , 29, 207-16	17.6	86
113	Synthesis and characterization of a functional intact IgG in a prokaryotic cell-free expression system. <i>Biological Chemistry</i> , 2008 , 389, 37-45	4.5	24
112	The ATPase cycle of the mitochondrial Hsp90 analog Trap1. <i>Journal of Biological Chemistry</i> , 2008 , 283, 11677-88	5.4	81
111	The Hsp90 chaperone machinery. <i>Journal of Biological Chemistry</i> , 2008 , 283, 18473-7	5.4	421
110	Conserved conformational changes in the ATPase cycle of human Hsp90. <i>Journal of Biological Chemistry</i> , 2008 , 283, 17757-65	5.4	104
109	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, 13373-8	11.5	34
108	Induction of heat shock proteins and the proteasome system by casein-N epsilon-(carboxymethyl)lysine and N epsilon-(carboxymethyl)lysine in Caco-2 cells. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1126, 257-61	6.5	13
107	Monomeric myosin V uses two binding regions for the assembly of stable translocation complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 19778-83	11.5	30
106	The ATPase cycle of the endoplasmic chaperone Grp94. <i>Journal of Biological Chemistry</i> , 2007 , 282, 35612-20	5.4	83
105	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, 31688-702	5.4	105
104	Noncatalytic role of the FKBP52 peptidyl-prolyl isomerase domain in the regulation of steroid hormone signaling. <i>Molecular and Cellular Biology</i> , 2007 , 27, 8658-69	4.8	119
103	FK506-binding protein 52 phosphorylation: a potential mechanism for regulating steroid hormone receptor activity. <i>Molecular Endocrinology</i> , 2007 , 21, 2956-67		49
102	Influence of the internal disulfide bridge on the folding pathway of the CL antibody domain. <i>Journal of Molecular Biology</i> , 2007 , 365, 1232-44	6.5	33
101	A Grp on the Hsp90 mechanism. <i>Molecular Cell</i> , 2007 , 28, 177-9	17.6	18
100	Clusterin associates with altered elastic fibers in human photoaged skin and prevents elastin from ultraviolet-induced aggregation in vitro. <i>American Journal of Pathology</i> , 2007 , 171, 1474-82	5.8	25

99	Multiple distinct assemblies reveal conformational flexibility in the small heat shock protein Hsp26. <i>Structure</i> , 2006 , 14, 1197-204	5.2	77
98	p53--a natural cancer killer: structural insights and therapeutic concepts. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6440-60	16.4	85
97	Intrinsic inhibition of the Hsp90 ATPase activity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 11301-11	5.4	61
96	hsp90: twist and fold. <i>Cell</i> , 2006 , 127, 251-3	56.2	48
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