

# Jason E Gestwicki

## 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.

205  
papers

19,453  
citations

63  
h-index

138  
g-index

221  
ext. papers

22,054  
ext. citations

8.7  
avg, IF

6.62  
L-index

#	Paper	IF	Citations
205	Two distinct classes of co-chaperones compete for the EEVD motif in heat shock protein 70 (Hsp70) to tune its chaperone activities.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101697	5.4	1
204	The Y $\pi$ motif defines the structure-activity relationships of human 20S proteasome activators.. <i>Nature Communications</i> , <b>2022</b> , 13, 1226	17.4	4
203	Microglial NF- $\kappa$ B drives tau spreading and toxicity in a mouse model of tauopathy.. <i>Nature Communications</i> , <b>2022</b> , 13, 1969	17.4	7
202	Multi-protein complexes as drug targets. <i>Cell Chemical Biology</i> , <b>2022</b> , 29, 713-715	8.2	
201	Stress routes clients to the proteasome via a BAG2 ubiquitin-independent degradation condensate. <i>Nature Communications</i> , <b>2022</b> , 13,	17.4	3
200	End-Binding E3 Ubiquitin Ligases Enable Protease Signaling. <i>ACS Chemical Biology</i> , <b>2021</b> , 16, 2047-2056	4.9	4
199	Inhibitor Combinations Reveal Wiring of the Proteostasis Network in Prostate Cancer Cells. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 14809-14821	8.3	
198	The interactions of molecular chaperones with client proteins: why are they so weak?. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 297, 101282	5.4	5
197	Chemical validation of a druggable site on Hsp27/HSPB1 using in silico solvent mapping and biophysical methods. <i>Bioorganic and Medicinal Chemistry</i> , <b>2021</b> , 34, 115990	3.4	
196	Acetylated tau inhibits chaperone-mediated autophagy and promotes tau pathology propagation in mice. <i>Nature Communications</i> , <b>2021</b> , 12, 2238	17.4	29
195	Fragment binding to the Nsp3 macrodomain of SARS-CoV-2 identified through crystallographic screening and computational docking. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	41
194	Inhibitors of heat shock protein 70 (Hsp70) with enhanced metabolic stability reduce tau levels. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2021</b> , 41, 128025	2.9	0
193	Adhesion-mediated mechanosignaling forces mitohormesis. <i>Cell Metabolism</i> , <b>2021</b> , 33, 1322-1341.e13	24.6	12
192	Exported plasmodial J domain protein, PFE0055c, and PfHsp70-x form a specific co-chaperone-chaperone partnership. <i>Cell Stress and Chaperones</i> , <b>2021</b> , 26, 355-366	4	5
191	Hsp70 chaperone blocks $\beta$ synuclein oligomer formation via a novel engagement mechanism. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100613	5.4	7
190	Functional genomics screen identifies proteostasis targets that modulate prion protein (PrP) stability. <i>Cell Stress and Chaperones</i> , <b>2021</b> , 26, 443-452	4	1
189	The structure of an Hsp90-immunophilin complex reveals cochaperone recognition of the client maturation state. <i>Molecular Cell</i> , <b>2021</b> , 81, 3496-3508.e5	17.6	10

188	Caspase inhibition mitigates tau cleavage and neurotoxicity in iPSC-induced neurons with the V337M[MAPT]mutation.. <i>Alzheimer's and Dementia</i> , <b>2021</b> , 17 Suppl 3, e051471	1.2	
187	Differential scanning fluorimetry (DSF) screen to identify inhibitors of Hsp60 protein-protein interactions. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 4157-4163	3.9	3
186	Pharmacologic dissection of the overlapping impact of heat shock protein family members on platelet function. <i>Journal of Thrombosis and Haemostasis</i> , <b>2020</b> , 18, 1197-1209	15.4	3
185	Tryptophan scanning mutagenesis as a way to mimic the compound-bound state and probe the selectivity of allosteric inhibitors in cells. <i>Chemical Science</i> , <b>2020</b> , 11, 1892-1904	9.4	6
184	Neutral analogs of the heat shock protein 70 (Hsp70) inhibitor, JG-98. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 126954	2.9	8
183	Mortalin (HSPA9) facilitates -mutant tumor cell survival by suppressing ANT3-mediated mitochondrial membrane permeability. <i>Science Signaling</i> , <b>2020</b> , 13,	8.8	11
182	Inhibition of DNAJ-HSP70 interaction improves strength in muscular dystrophy. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 4470-4485	15.9	2
181	Management of Hsp90-Dependent Protein Folding by Small Molecules Targeting the Aha1 Co-Chaperone. <i>Cell Chemical Biology</i> , <b>2020</b> , 27, 292-305.e6	8.2	8
180	Fragment Binding to the Nsp3 Macrodomein of SARS-CoV-2 Identified Through Crystallographic Screening and Computational Docking <b>2020</b> ,		6
179	Promoting tau secretion and propagation by hyperactive p300/CBP via autophagy-lysosomal pathway in tauopathy. <i>Molecular Neurodegeneration</i> , <b>2020</b> , 15, 2	19	43
178	Luminescence complementation assay for measurement of binding to protein C-termini in live cells. <i>Analytical Biochemistry</i> , <b>2020</b> , 611, 113947	3.1	1
177	A Phosphoramidate Strategy Enables Membrane Permeability of a Non-nucleotide Inhibitor of the Prolyl Isomerase Pin1. <i>ACS Medicinal Chemistry Letters</i> , <b>2020</b> , 11, 1704-1710	4.3	2
176	Individualized management of genetic diversity in Niemann-Pick C1 through modulation of the Hsp70 chaperone system. <i>Human Molecular Genetics</i> , <b>2020</b> , 29, 1-19	5.6	10
175	A Novel Radioligand Reveals Tissue Specific Pharmacological Modulation of Glucocorticoid Receptor Expression with Positron Emission Tomography. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 1381-1391	4.9	2
174	Mortalin/HSPA9 targeting selectively induces KRAS tumor cell death by perturbing mitochondrial membrane permeability. <i>Oncogene</i> , <b>2020</b> , 39, 4257-4270	9.2	12
173	Pathogenic Tau Impairs Axon Initial Segment Plasticity and Excitability Homeostasis. <i>Neuron</i> , <b>2019</b> , 104, 458-470.e5	13.9	49
172	Zika Virus Dependence on Host Hsp70 Provides a Protective Strategy against Infection and Disease. <i>Cell Reports</i> , <b>2019</b> , 26, 906-920.e3	10.6	53
171	A Legionella pneumophila Kinase Phosphorylates the Hsp70 Chaperone Family to Inhibit Eukaryotic Protein Synthesis. <i>Cell Host and Microbe</i> , <b>2019</b> , 25, 454-462.e6	23.4	23

170	Hsp70 and Hsp40 inhibit an inter-domain interaction necessary for transcriptional activity in the androgen receptor. <i>Nature Communications</i> , <b>2019</b> , 10, 3562	17.4	23
169	Mechanism of Action of VP1-001 in cryAB(R120G)-Associated and Age-Related Cataracts <b>2019</b> , 60, 3320-3331		12
168	Specificity for latent C termini links the E3 ubiquitin ligase CHIP to caspases. <i>Nature Chemical Biology</i> , <b>2019</b> , 15, 786-794	11.7	24
167	Compromised function of the ESCRT pathway promotes endolysosomal escape of tau seeds and propagation of tau aggregation. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 18952-18966	5.4	49
166	The pleiotropic effects of TNF $\alpha$ in breast cancer subtypes is regulated by TNFAIP3/A20. <i>Oncogene</i> , <b>2019</b> , 38, 469-482	9.2	15
165	Inhibitors and chemical probes for molecular chaperone networks. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 2151-2161	5.4	46
164	Designing de Novo Small Molecules That Control Heat Shock Protein 70 (Hsp70) and Heat Shock Organizing Protein (HOP) within the Chaperone Protein-Folding Machinery. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 742-761	8.3	9
163	Protein-Protein Interactions in the Molecular Chaperone Network. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 940-949	24.3	51
162	Rational design and screening of peptide-based inhibitors of heat shock factor 1 (HSF1). <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 5299-5306	3.4	9
161	High-throughput screen for inhibitors of protein-protein interactions in a reconstituted heat shock protein 70 (Hsp70) complex. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 4014-4025	5.4	24
160	X-linked inhibitor of apoptosis protein (XIAP) is a client of heat shock protein 70 (Hsp70) and a biomarker of its inhibition. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 2370-2380	5.4	26
159	Mapping interactions with the chaperone network reveals factors that protect against tau aggregation. <i>Nature Structural and Molecular Biology</i> , <b>2018</b> , 25, 384-393	17.6	60
158	Protein cross-linking capillary electrophoresis at increased throughput for a range of protein-protein interactions. <i>Analyst, The</i> , <b>2018</b> , 143, 1805-1812	5	10
157	SIRT1 Deacetylates Tau and Reduces Pathogenic Tau Spread in a Mouse Model of Tauopathy. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 3680-3688	6.6	66
156	Therapeutic Strategies for Restoring Tau Homeostasis. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2018</b> , 8,	5.4	17
155	Heat Shock Protein 70 (Hsp70) Suppresses RIP1-Dependent Apoptotic and Necroptotic Cascades. <i>Molecular Cancer Research</i> , <b>2018</b> , 16, 58-68	6.6	24
154	Aim for the core: suitability of the ubiquitin-independent 20S proteasome as a drug target in neurodegeneration. <i>Translational Research</i> , <b>2018</b> , 198, 48-57	11	30
153	KHS101 disrupts energy metabolism in human glioblastoma cells and reduces tumor growth in mice. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	31

152	Inhibitors of protein-protein interactions (PPIs): an analysis of scaffold choices and buried surface area. <i>Current Opinion in Chemical Biology</i> , <b>2018</b> , 44, 75-86	9.7	112
151	Targeting protein-protein interactions in chaperone complexes to normalize proteostasis. <i>FASEB Journal</i> , <b>2018</b> , 32, 247.1	0.9	
150	Novel Allosteric Inhibitors of Heat Shock Protein 70 As Agents to Probe Protein Homeostasis and Overcome Proteasome Inhibitor Resistance in Multiple Myeloma. <i>Blood</i> , <b>2018</b> , 132, 3212-3212	2.2	1
149	Myopathy associated BAG3 mutations lead to protein aggregation by stalling Hsp70 networks. <i>Nature Communications</i> , <b>2018</b> , 9, 5342	17.4	36
148	Predicting protein targets for drug-like compounds using transcriptomics. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006651	5	29
147	Competing protein-protein interactions regulate binding of Hsp27 to its client protein tau. <i>Nature Communications</i> , <b>2018</b> , 9, 4563	17.4	45
146	A Local Allosteric Network in Heat Shock Protein 70 (Hsp70) Links Inhibitor Binding to Enzyme Activity and Distal Protein-Protein Interactions. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 3142-3152	4.9	10
145	Targeting the Hsp40/Hsp70 Chaperone Axis as a Novel Strategy to Treat Castration-Resistant Prostate Cancer. <i>Cancer Research</i> , <b>2018</b> , 78, 4022-4035	10.1	64
144	The disorderly conduct of Hsc70 and its interaction with the Alzheimer $\beta$ -related Tau protein. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 10796-10809	5.4	20
143	Revisiting the "Art of the Chemical Probe". <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 1109-1110	4.9	7
142	Exploration of Benzothiazole Rhodacyanines as Allosteric Inhibitors of Protein-Protein Interactions with Heat Shock Protein 70 (Hsp70). <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 6163-6177	8.3	54
141	The remarkable multivalency of the Hsp70 chaperones. <i>Cell Stress and Chaperones</i> , <b>2017</b> , 22, 173-189	4	80
140	From Fuzzy to Function: The New Frontier of Protein-Protein Interactions. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 584-589	24.3	23
139	Backbone and methyl resonance assignments of the 42 kDa human Hsc70 nucleotide binding domain in the ADP state. <i>Biomolecular NMR Assignments</i> , <b>2017</b> , 11, 11-15	0.7	3
138	BAG3 Is a Modular, Scaffolding Protein that physically Links Heat Shock Protein 70 (Hsp70) to the Small Heat Shock Proteins. <i>Journal of Molecular Biology</i> , <b>2017</b> , 429, 128-141	6.5	84
137	Anticancer Effects of Targeting Hsp70 in Tumor Stromal Cells. <i>Cancer Research</i> , <b>2016</b> , 76, 5926-5932	10.1	23
136	Non-canonical Interactions between Heat Shock Cognate Protein 70 (Hsc70) and Bcl2-associated Anthanogene (BAG) Co-Chaperones Are Important for Client Release. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 19848-57	5.4	29
135	Peptidyl-Proline Isomerases (PPIases): Targets for Natural Products and Natural Product-Inspired Compounds. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 9622-9644	8.3	57

134	Protein Cross-Linking Capillary Electrophoresis for Protein-Protein Interaction Analysis. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8272-8	7.8	14
133	Combined chemical-genetic approach identifies cytosolic HSP70 dependence in rhabdomyosarcoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9015-20	11.5	21
132	Structural and Biological Interaction of hsc-70 Protein with Phosphatidylserine in Endosomal Microautophagy. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 18096-106	5.4	37
131	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
130	Targeting Allosteric Control Mechanisms in Heat Shock Protein 70 (Hsp70). <i>Current Topics in Medicinal Chemistry</i> , <b>2016</b> , 16, 2729-40	3	37
129	Apratoxin Kills Cells by Direct Blockade of the Sec61 Protein Translocation Channel. <i>Cell Chemical Biology</i> , <b>2016</b> , 23, 561-566	8.2	60
128	Allosteric heat shock protein 70 inhibitors block hepatitis C virus assembly. <i>International Journal of Antimicrobial Agents</i> , <b>2016</b> , 47, 289-96	14.3	18
127	Inhibition of Both Hsp70 Activity and Tau Aggregation in Vitro Best Predicts Tau Lowering Activity of Small Molecules. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 2041-8	4.9	8
126	Unbiased screen identifies aripiprazole as a modulator of abundance of the polyglutamine disease protein, ataxin-3. <i>Brain</i> , <b>2016</b> , 139, 2891-2908	11.2	24
125	Stabilizing the Hsp70-Tau Complex Promotes Turnover in Models of Tauopathy. <i>Cell Chemical Biology</i> , <b>2016</b> , 23, 992-1001	8.2	43
124	The active Hsc70/tau complex can be exploited to enhance tau turnover without damaging microtubule dynamics. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 3971-81	5.6	23
123	Concise Synthesis of Spergualin-Inspired Molecules With Broad-Spectrum Antibiotic Activity. <i>MedChemComm</i> , <b>2015</b> , 6, 912-918	5	1
122	Critical role of acetylation in tau-mediated neurodegeneration and cognitive deficits. <i>Nature Medicine</i> , <b>2015</b> , 21, 1154-62	50.5	300
121	Pharmacological chaperone for $\beta$ crystallin partially restores transparency in cataract models. <i>Science</i> , <b>2015</b> , 350, 674-7	33.3	145
120	Selective Targeting of Cells via Bispecific Molecules That Exploit Coexpression of Two Intracellular Proteins. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 2441-7	4.9	4
119	Specific Binding of Tetratricopeptide Repeat Proteins to Heat Shock Protein 70 (Hsp70) and Heat Shock Protein 90 (Hsp90) Is Regulated by Affinity and Phosphorylation. <i>Biochemistry</i> , <b>2015</b> , 54, 7120-31	3.2	72
118	Targeting Hsp90/Hsp70-based protein quality control for treatment of adult onset neurodegenerative diseases. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2015</b> , 55, 353-71	17.9	161
117	Direct and Propagated Effects of Small Molecules on Protein-Protein Interaction Networks. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2015</b> , 3, 119	5.8	40

116	Isoform-selective Genetic Inhibition of Constitutive Cytosolic Hsp70 Activity Promotes Client Tau Degradation Using an Altered Co-chaperone Complement. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 13115-27	5.4	34
115	Defining Hsp70 Subnetworks in Dengue Virus Replication Reveals Key Vulnerability in Flavivirus Infection. <i>Cell</i> , <b>2015</b> , 163, 1108-1123	56.2	166
114	Deconvolution method for specific and nonspecific binding of ligand to multiprotein complex by native mass spectrometry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 8541-6	7.8	14
113	Synthesis, stereochemical analysis, and derivatization of myricanol provide new probes that promote autophagic tau clearance. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 1099-109	4.9	13
112	Validation of the Hsp70-Bag3 protein-protein interaction as a potential therapeutic target in cancer. <i>Molecular Cancer Therapeutics</i> , <b>2015</b> , 14, 642-8	6.1	79
111	Binding of human nucleotide exchange factors to heat shock protein 70 (Hsp70) generates functionally distinct complexes in vitro. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 1402-14	5.4	103
110	A model in which heat shock protein 90 targets protein-folding clefts: rationale for a new approach to neuroprotective treatment of protein folding diseases. <i>Experimental Biology and Medicine</i> , <b>2014</b> , 239, 1405-13	3.7	16
109	The molecular chaperone Hsp70 activates protein phosphatase 5 (PP5) by binding the tetratricopeptide repeat (TPR) domain. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 2908-17	5.4	28
108	An allosteric modulator of HIV-1 protease shows equipotent inhibition of wild-type and drug-resistant proteases. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 6468-78	8.3	17
107	Rehabilitating mutant GCCase. <i>Chemistry and Biology</i> , <b>2014</b> , 21, 919-20		
106	Hsp70-Bag3 interactions regulate cancer-related signaling networks. <i>Cancer Research</i> , <b>2014</b> , 74, 4731-40	10.1	107
105	High-throughput screen of natural product extracts in a yeast model of polyglutamine proteotoxicity. <i>Chemical Biology and Drug Design</i> , <b>2014</b> , 83, 440-9	2.9	12
104	Genomic heat shock element sequences drive cooperative human heat shock factor 1 DNA binding and selectivity. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 30459-30469	5.4	41
103	The E3 ubiquitin ligase CHIP and the molecular chaperone Hsc70 form a dynamic, tethered complex. <i>Biochemistry</i> , <b>2013</b> , 52, 5354-64	3.2	42
102	Analogs of the Allosteric Heat Shock Protein 70 (Hsp70) Inhibitor, MKT-077, as Anti-Cancer Agents. <i>ACS Medicinal Chemistry Letters</i> , <b>2013</b> , 4,	4.3	96
101	Synthesis and initial evaluation of YM-08, a blood-brain barrier permeable derivative of the heat shock protein 70 (Hsp70) inhibitor MKT-077, which reduces tau levels. <i>ACS Chemical Neuroscience</i> , <b>2013</b> , 4, 930-9	5.7	84
100	Development of a capillary electrophoresis platform for identifying inhibitors of protein-protein interactions. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 9824-31	7.8	25
99	Activation of Hsp70 reduces neurotoxicity by promoting polyglutamine protein degradation. <i>Nature Chemical Biology</i> , <b>2013</b> , 9, 112-8	11.7	144

98	Expanding the number of druggable targets: non-enzymes and protein-protein interactions. <i>Chemical Biology and Drug Design</i> , <b>2013</b> , 81, 22-32	2.9	138
97	Allostery in the Hsp70 chaperone proteins. <i>Topics in Current Chemistry</i> , <b>2013</b> , 328, 99-153		118
96	Allosteric heat shock protein 70 inhibitors rapidly rescue synaptic plasticity deficits by reducing aberrant tau. <i>Biological Psychiatry</i> , <b>2013</b> , 74, 367-74	7.9	78
95	CSAR data set release 2012: ligands, affinities, complexes, and docking decoys. <i>Journal of Chemical Information and Modeling</i> , <b>2013</b> , 53, 1842-52	6.1	74
94	Imbalance of Hsp70 family variants fosters tau accumulation. <i>FASEB Journal</i> , <b>2013</b> , 27, 1450-9	0.9	84
93	Inhibitors of difficult protein-protein interactions identified by high-throughput screening of multiprotein complexes. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 1988-1997	4.9	38
92	Identification of key hinge residues important for nucleotide-dependent allostery in E. coli Hsp70/DnaK. <i>PLoS Computational Biology</i> , <b>2013</b> , 9, e1003279	5	13
91	Hsp70 protein complexes as drug targets. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 404-17	3.3	89
90	Cysteine reactivity distinguishes redox sensing by the heat-inducible and constitutive forms of heat shock protein 70. <i>Chemistry and Biology</i> , <b>2012</b> , 19, 1391-9		71
89	Features of protein-protein interactions that translate into potent inhibitors: topology, surface area and affinity. <i>Expert Reviews in Molecular Medicine</i> , <b>2012</b> , 14, e16	6.7	146
88	Synthetic lethal interactions in yeast reveal functional roles of J protein co-chaperones. <i>Molecular BioSystems</i> , <b>2012</b> , 8, 2901-8		17
87	Molecular chaperones DnaK and DnaJ share predicted binding sites on most proteins in the E. coli proteome. <i>Molecular BioSystems</i> , <b>2012</b> , 8, 2323-33		23
86	Pharmacological tuning of heat shock protein 70 modulates polyglutamine toxicity and aggregation. <i>ACS Chemical Biology</i> , <b>2012</b> , 7, 1556-64	4.9	29
85	Cdc37/Hsp90 protein complex disruption triggers an autophagic clearance cascade for TDP-43 protein. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 24814-20	5.4	52
84	The C-terminal repeating units of CsgB direct bacterial functional amyloid nucleation. <i>Journal of Molecular Biology</i> , <b>2012</b> , 422, 376-89	6.5	55
83	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.2	4.2	2783
82	A screen for modulators of large T antigen ATPase activity uncovers novel inhibitors of Simian Virus 40 and BK virus replication. <i>Antiviral Research</i> , <b>2012</b> , 96, 70-81	10.8	14
81	Protein quality control in neurodegenerative disease. <i>Progress in Molecular Biology and Translational Science</i> , <b>2012</b> , 107, 327-53	4	60



80	Analysis of the tau-associated proteome reveals that exchange of Hsp70 for Hsp90 is involved in tau degradation. <i>ACS Chemical Biology</i> , <b>2012</b> , 7, 1677-86	4.9	53
79	Methylthioninium chloride (methylene blue) induces autophagy and attenuates tauopathy in vitro and in vivo. <i>Autophagy</i> , <b>2012</b> , 8, 609-22	10.2	220
78	Fine-tuning multiprotein complexes using small molecules. <i>ACS Chemical Biology</i> , <b>2012</b> , 7, 1311-20	4.9	76
77	Visualization and functional analysis of the oligomeric states of Escherichia coli heat shock protein 70 (Hsp70/DnaK). <i>Cell Stress and Chaperones</i> , <b>2012</b> , 17, 313-27	4	42
76	Inducible renitence limits Listeria monocytogenes escape from vacuoles in macrophages. <i>Journal of Immunology</i> , <b>2012</b> , 189, 4488-95	5.3	22
75	Rhodacyanine derivative selectively targets cancer cells and overcomes tamoxifen resistance. <i>PLoS ONE</i> , <b>2012</b> , 7, e35566	3.7	32
74	Spergualin analogs as inhibitors of Hsp70-CHIP protein-protein interactions. <i>FASEB Journal</i> , <b>2012</b> , 26, lb106	0.9	
73	Molecular chaperones and regulation of tau quality control: strategies for drug discovery in tauopathies. <i>Future Medicinal Chemistry</i> , <b>2011</b> , 3, 1523-37	4.1	48
72	Ube2w and ataxin-3 coordinately regulate the ubiquitin ligase CHIP. <i>Molecular Cell</i> , <b>2011</b> , 43, 599-612	17.6	124
71	Allosteric drugs: the interaction of antitumor compound MKT-077 with human Hsp70 chaperones. <i>Journal of Molecular Biology</i> , <b>2011</b> , 411, 614-32	6.5	137
70	Insight into amyloid structure using chemical probes. <i>Chemical Biology and Drug Design</i> , <b>2011</b> , 77, 399-411	11.9	118
69	Chemical screens against a reconstituted multiprotein complex: myricetin blocks DnaJ regulation of DnaK through an allosteric mechanism. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 210-21		80
68	Heme-dependent activation of neuronal nitric oxide synthase by cytosol is due to an Hsp70-dependent, thioredoxin-mediated thiol-disulfide interchange in the heme/substrate binding cleft. <i>Biochemistry</i> , <b>2011</b> , 50, 7146-56	3.2	15
67	Improved synthesis of 15-deoxyspergualin analogs using the Ugi multi-component reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 2587-90	2.9	11
66	Bicinchoninic acid (BCA) assay in low volume. <i>Analytical Biochemistry</i> , <b>2011</b> , 410, 310-2	3.1	87
65	Ordered assembly of heat shock proteins, Hsp26, Hsp70, Hsp90, and Hsp104, on expanded polyglutamine fragments revealed by chemical probes. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 40486-93	5.4	22
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4	Two- and Three-Hybrid Systems <sup>1</sup>		
3	Managing the Spatial Covariance of Genetic Diversity in Niemann-Pick C1 Through Modulation of the Hsp70 Chaperone System		1
2	Adhesion-mediated mechanosignaling forces mitohormesis		3
1	Compromised function of the ESCRT pathway promotes endolysosomal escape of tau seeds and propagation of tau aggregation		1