John Edward Ladbury

List of Publications by Year in Descending Order

187 papers	14,639 citations	57 h-index	119 g-index
266 ext. papers	15,930 ext. citations	9.1 avg, IF	6.09 L-index

#	Paper	IF	Citations
187	Receptor tyrosine kinases regulate signal transduction through a liquid-liquid phase separated state.. *Molecular Cell*, **2022**,	17.6	5
186	Composition of receptor tyrosine kinase-mediated lipid micro-domains controlled by adaptor protein interaction. *Scientific Reports*, **2021**, 11, 6160	4.9	0
185	Grb2 binding induces phosphorylation-independent activation of Shp2. *Communications Biology*, **2021**, 4, 437	6.7	3
184	Switching the Inhibitor-Enzyme Recognition Profile via Chimeric Carbonic Anhydrase XII. *ChemistryOpen*, **2021**, 10, 567-580	2.3	0
183	Drug Resistance in Glioma Cells Induced by a Mesenchymal-Amoeboid Migratory Switch.. *Biomedicines*, **2021**, 10,	4.8	5
182	A novel workflow for three-dimensional analysis of tumour cell migration. *Interface Focus*, **2020**, 10, 20190070	3.9	3
181	DEPS-1 is required for piRNA-dependent silencing and PIWI condensate organisation in Caenorhabditis elegans. *Nature Communications*, **2020**, 11, 4242	17.4	5
180	Histone deacetylase inhibitors induce medulloblastoma cell death independent of HDACs recruited in REST repression complexes. *Molecular Genetics & Genomic Medicine*, **2020**, 8, e1429	2.3	2
179	Inhibitor Binding to Carbonic Anhydrases by Isothermal Titration Calorimetry **2019**, 79-95		
178	Targeting the Shc-EGFR interaction with indomethacin inhibits MAP kinase pathway signalling. *Cancer Letters*, **2019**, 457, 86-97	9.9	8
177	Intrinsic Thermodynamics of Protein-Ligand Binding by Isothermal Titration Calorimetry as Aid to Drug Design. *Methods in Molecular Biology*, **2019**, 1964, 61-74	1.4	6
176	Tpl2 is required for VEGF-A-stimulated signal transduction and endothelial cell function. *Biology Open*, **2019**, 8,	2.2	4
175	A Secreted RNA Binding Protein Forms RNA-Stabilizing Granules in the Honeybee Royal Jelly. *Molecular Cell*, **2019**, 74, 598-608.e6	17.6	23
174	H-NS uses an autoinhibitory conformational switch for environment-controlled gene silencing. *Nucleic Acids Research*, **2019**, 47, 2666-2680	20.1	27
173	Phosphorylation of threonine residues on Shc promotes ligand binding and mediates crosstalk between MAPK and Akt pathways in breast cancer cells. *International Journal of Biochemistry and Cell Biology*, **2018**, 94, 89-97	5.6	9
172	FGFR1-mediated protocadherin-15 loading mediates cargo specificity during intraflagellar transport in inner ear hair-cell kinocilia. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 8388-8393	11.5	8
171	Receptor Tyrosine Kinase Signalling in the Absence of Kinase Activity and Cancer of Non-Genetic Origin. *FASEB Journal*, **2018**, 32, 804.27	0.9	

170	Thermodynamic, kinetic, and structural parameterization of human carbonic anhydrase interactions toward enhanced inhibitor design. *Quarterly Reviews of Biophysics*, **2018**, 51, e10	7	24
169	Energy landscape of polymorphic amyloid generation of β-microglobulin revealed by calorimetry. *Chemical Communications*, **2018**, 54, 7995-7998	5.8	11
168	Grb2 depletion under non-stimulated conditions inhibits PTEN, promotes Akt-induced tumor formation and contributes to poor prognosis in ovarian cancer. *Oncogene*, **2016**, 35, 2186-96	9.2	24
167	Non-covalent forces tune the electron transfer complex between ferredoxin and sulfite reductase to optimize enzymatic activity. *Biochemical Journal*, **2016**, 473, 3837-3854	3.8	8
166	Structural Basis of Cyclic Nucleotide Selectivity in cGMP-dependent Protein Kinase II. *Journal of Biological Chemistry*, **2016**, 291, 5623-5633	5.4	14
165	Native and engineered tropism of vectors derived from a rare species D adenovirus serotype 43. *Oncotarget*, **2016**, 7, 53414-53429	3.3	10
164	Anti-apoptotic ARC protein confers chemoresistance by controlling leukemia-microenvironment interactions through a NFB/IL1signaling network. *Oncotarget*, **2016**, 7, 20054-67	3.3	21
163	HER family kinase domain mutations promote tumor progression and can predict response to treatment in human breast cancer. *Molecular Oncology*, **2015**, 9, 586-600	7.9	23
162	Observed bromodomain flexibility reveals histone peptide- and small molecule ligand-compatible forms of ATAD2. *Biochemical Journal*, **2015**, 466, 337-46	3.8	27
161	Grb2 monomer-dimer equilibrium determines normal versus oncogenic function. *Nature Communications*, **2015**, 6, 7354	17.4	29
160	T(H)17 cells promote microbial killing and innate immune sensing of DNA via interleukin 26. *Nature Immunology*, **2015**, 16, 970-9	19.1	147
159	A novel dual kinase function of the RET proto-oncogene negatively regulates activating transcription factor 4-mediated apoptosis. *Journal of Biological Chemistry*, **2015**, 290, 11749-61	5.4	35
158	Erythropoietin Stimulates Tumor Growth via EphB4. *Cancer Cell*, **2015**, 28, 610-622	24.3	60
157	Targeting the Src Homology 2 (SH2) Domain of Signal Transducer and Activator of Transcription 6 (STAT6) with Cell-Permeable, Phosphatase-Stable Phosphopeptide Mimics Potently Inhibits Tyr641 Phosphorylation and Transcriptional Activity. *Journal of Medicinal Chemistry*, **2015**, 58, 8970-84	8.3	30
156	A variable DNA recognition site organization establishes the LiaR-mediated cell envelope stress response of enterococci to daptomycin. *Nucleic Acids Research*, **2015**, 43, 4758-73	20.1	29
155	Potent and selective inhibition of SH3 domains with dirhodium metalloinhibitors. *Chemical Science*, **2015**, 6, 4778-4783	9.4	21
154	PRMT1-mediated methylation of the EGF receptor regulates signaling and cetuximab response. *Journal of Clinical Investigation*, **2015**, 125, 4529-43	15.9	85
153	Expression pattern of FGFR2, Grb2 and Plcγ1 acts as a novel prognostic marker of recurrence recurrence-free survival in lung adenocarcinoma. *American Journal of Cancer Research*, **2015**, 5, 3135-48	4.4	9

152	Competition between Grb2 and Plcγ1 for FGFR2 regulates basal phospholipase activity and invasion. *Nature Structural and Molecular Biology*, **2014**, 21, 180-8	17.6	36
151	Discovery and characterization of novel selective inhibitors of carbonic anhydrase IX. *Journal of Medicinal Chemistry*, **2014**, 57, 9435-46	8.3	65
150	The toolbox is open, but who should pay for the job?. *Nature Reviews Drug Discovery*, **2014**, 13, 479-80	64.1	1
149	(19)F NMR reveals multiple conformations at the dimer interface of the nonstructural protein 1 effector domain from influenza A virus. *Structure*, **2014**, 22, 515-525	5.2	30
148	A requirement for ERK-dependent Dicer phosphorylation in coordinating oocyte-to-embryo transition in C. elegans. *Developmental Cell*, **2014**, 31, 614-28	10.2	49
147	Plakophilin-3 catenin associates with the ETV1/ER81 transcription factor to positively modulate gene activity. *PLoS ONE*, **2014**, 9, e86784	3.7	14
146	Pharmacological inactivation of Skp2 SCF ubiquitin ligase restricts cancer stem cell traits and cancer progression. *Cell*, **2013**, 154, 556-68	56.2	271
145	Grb2 controls phosphorylation of FGFR2 by inhibiting receptor kinase and Shp2 phosphatase activity. *Journal of Cell Biology*, **2013**, 200, 493-504	7.3	49
144	Biophysical characterization of VEGF-aHt DNA aptamer interactions. *International Journal of Biological Macromolecules*, **2013**, 57, 69-75	7.9	9
143	Microscale thermophoresis quantifies biomolecular interactions under previously challenging conditions. *Methods*, **2013**, 59, 301-15	4.6	397
142	Interaction with Shc prevents aberrant Erk activation in the absence of extracellular stimuli. *Nature Structural and Molecular Biology*, **2013**, 20, 620-7	17.6	21
141	CD25 and CD69 induction by α4β1 outside-in signalling requires TCR early signalling complex proteins. *Biochemical Journal*, **2013**, 454, 109-21	3.8	6
140	SLP-76 sterile α motif (SAM) and individual H5 α helix mediate oligomer formation for microclusters and T-cell activation. *Journal of Biological Chemistry*, **2013**, 288, 29539-49	5.4	17
139	Structure and interactions of the human programmed cell death 1 receptor. *Journal of Biological Chemistry*, **2013**, 288, 11771-85	5.4	185
138	Grb2 controls phosphorylation of FGFR2 by inhibiting receptor kinase and Shp2 phosphatase activity. *Journal of General Physiology*, **2013**, 141, i8-i8	3.4	
137	Noise in cellular signaling pathways: causes and effects. *Trends in Biochemical Sciences*, **2012**, 37, 173-8	10.3	76
136	Inhibition of basal FGF receptor signaling by dimeric Grb2. *Cell*, **2012**, 149, 1514-24	56.2	110
135	Catalytic protein modification with dirhodium metallopeptides: specificity in designed and natural systems. *Journal of the American Chemical Society*, **2012**, 134, 10138-45	16.4	84

134	Probing cocaine-antibody interactions in buffer and human serum. *PLoS ONE*, **2012**, 7, e40518	3.7	24
133	A landscape of driver mutations in melanoma. *Cell*, **2012**, 150, 251-63	56.2	1799
132	Binding with nucleic acids or glycosaminoglycans converts soluble protein oligomers to amyloid. *Journal of Biological Chemistry*, **2012**, 287, 736-747	5.4	43
131	Biophysical Characterization of Acyl Carrier Protein Domains from a Polyunsaturated Fatty Acid Synthase. *FASEB Journal*, **2012**, 26, 552.2	0.9	
130	Extension of ThermoML: The IUPAC standard for thermodynamic data communications (IUPAC Recommendations 2011). *Pure and Applied Chemistry*, **2011**, 83, 1937-1969	2.1	13
129	Extent of enthalpy-entropy compensation in protein-ligand interactions. *Protein Science*, **2011**, 20, 1607-18	6.3	112
128	ThermoML: an XML-Based Approach for Storage and Exchange of Experimental and Critically Evaluated Thermophysical and Thermochemical Property Data. 5. Speciation and Complex Equilibria. *Journal of Chemical & Engineering Data*, **2011**, 56, 307-316	2.8	5
127	Energetics of Src homology domain interactions in receptor tyrosine kinase-mediated signaling. *Methods in Enzymology*, **2011**, 488, 147-83	1.7	31
126	Rigid-body ligand recognition drives cytotoxic T-lymphocyte antigen 4 (CTLA-4) receptor triggering. *Journal of Biological Chemistry*, **2011**, 286, 6685-96	5.4	29
125	Adding calorimetric data to decision making in lead discovery: a hot tip. *Nature Reviews Drug Discovery*, **2010**, 9, 23-7	64.1	315
124	H-NS forms a superhelical protein scaffold for DNA condensation. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 15728-32	11.5	130
123	ThermoML—An XML-Based Approach for Storage and Exchange of Experimental and Critically Evaluated Thermophysical and Thermochemical Property Data. 4. Biomaterials. *Journal of Chemical & Engineering Data*, **2010**, 55, 1564-1572	2.8	8
122	Calorimetry as a tool for understanding biomolecular interactions and an aid to drug design. *Biochemical Society Transactions*, **2010**, 38, 888-93	5.1	74
121	T-cell receptor early signalling complex activation in response to interferon-alpha receptor stimulation. *Biochemical Journal*, **2010**, 428, 429-37	3.8	8
120	Direct binding of Grb2 SH3 domain to FGFR2 regulates SHP2 function. *Cellular Signalling*, **2010**, 22, 23-33	4.9	24
119	T cell receptor "inside-out" pathway via signaling module SKAP1-RapL regulates T cell motility and interactions in lymph nodes. *Immunity*, **2010**, 32, 541-56	32.3	81
118	The absence of inorganic salt is required for the crystallization of the complete oligomerization domain of Salmonella typhimurium histone-like nucleoid-structuring protein. *Acta Crystallographica Section F: Structural Biology Communications*, **2010**, 66, 421-5		4
117	A complex of Shc and Ran-GTPase localises to the cell nucleus. *Cellular and Molecular Life Sciences*, **2009**, 66, 711-20	10.3	10

116	Investigation of the self-association and hetero-association interactions of H-NS and StpA from Enterobacteria. *Molecular Microbiology*, **2009**, 73, 165-79	4.1	31
115	Effects of full-length borealin on the composition and protein-protein interaction activity of a binary chromosomal passenger complex. *Biochemistry*, **2009**, 48, 1156-61	3.2	6
114	Novel insights into the mechanisms of CIN85 SH3 domains binding to Cbl proteins: solution-based investigations and in vivo implications. *Journal of Molecular Biology*, **2009**, 387, 1120-36	6.5	11
113	Structural-thermodynamic relationships of interactions in the N-terminal ATP-binding domain of Hsp90. *Journal of Molecular Biology*, **2009**, 392, 923-36	6.5	19
112	The binding stoichiometry of CIN85 SH3 domain A and cbl-b. *Nature Structural and Molecular Biology*, **2008**, 15, 890-1; author reply 891-2	17.6	4
111	A phosphorylation-dependent gating mechanism controls the SH2 domain interactions of the Shc adaptor protein. *Journal of Molecular Biology*, **2008**, 377, 740-7	6.5	18
110	The thermodynamics of protein-ligand interaction and solvation: insights for ligand design. *Journal of Molecular Biology*, **2008**, 384, 1002-17	6.5	251
109	Molecular interactions of ASPP1 and ASPP2 with the p53 protein family and the apoptotic promoters PUMA and Bax. *Nucleic Acids Research*, **2008**, 36, 5139-51	20.1	38
108	Extracellular point mutations in FGFR2 result in elevated ERK1/2 activation and perturbation of neuronal differentiation. *Biochemical Journal*, **2008**, 410, 205-11	3.8	13
107	Extracellular point mutations in FGFR2 elicit unexpected changes in intracellular signalling. *Biochemical Journal*, **2008**, 413, 37-49	3.8	45
106	Indirect recruitment of the signalling adaptor Shc to the fibroblast growth factor receptor 2 (FGFR2). *Biochemical Journal*, **2008**, 416, 189-99	3.8	13
105	Structure, dynamics, and binding thermodynamics of the v-Src SH2 domain: implications for drug design. *Proteins: Structure, Function and Bioinformatics*, **2008**, 73, 929-40	4.2	19
104	Redox-state-dependent complex formation between pseudoazurin and nitrite reductase. *Journal of the American Chemical Society*, **2007**, 129, 226-33	16.4	14
103	Survey of the year 2005: literature on applications of isothermal titration calorimetry. *Journal of Molecular Recognition*, **2007**, 20, 4-14	2.6	67
102	Measurement of the formation of complexes in tyrosine kinase-mediated signal transduction. *Acta Crystallographica Section D: Biological Crystallography*, **2007**, 63, 26-31		5
101	Identification of novel fragment compounds targeted against the pY pocket of v-Src SH2 by computational and NMR screening and thermodynamic evaluation. *Proteins: Structure, Function and Bioinformatics*, **2007**, 67, 981-90	4.2	29
100	Partial filling multiple injection affinity capillary electrophoresis (PFMIACE) to estimate binding constants of receptors to ligands. *Talanta*, **2007**, 71, 192-201	6.2	20
99	Application of Isothermal Titration Calorimetry in Exploring the Extended Interface **2007**, 231-254		4

98	Conformational diversity in the TPR domain-mediated interaction of protein phosphatase 5 with Hsp90. *Structure*, **2006**, 14, 415-26	5.2	73
97	Survey of the year 2004: literature on applications of isothermal titration calorimetry. *Journal of Molecular Recognition*, **2006**, 19, 79-89	2.6	73
96	Crystal structure and binding properties of the CD2 and CD244 (2B4)-binding protein, CD48. *Journal of Biological Chemistry*, **2006**, 281, 29309-20	5.4	32
95	Global effects of the energetics of coenzyme binding: NADPH controls the protein interaction properties of human cytochrome P450 reductase. *Biochemistry*, **2006**, 45, 1421-34	3.2	43
94	Conformational changes in the AAA ATPase p97-p47 adaptor complex. *EMBO Journal*, **2006**, 25, 1967-76	13	85
93	StpA protein from Escherichia coli condenses supercoiled DNA in preference to linear DNA and protects it from digestion by DNase I and EcoKI. *Nucleic Acids Research*, **2005**, 33, 6540-6	20.1	11
92	Molecular recognition via coupled folding and binding in a TPR domain. *Journal of Molecular Biology* , **2005**, 346, 717-32	6.5	79
91	Distinct spatial and temporal distribution of ZAP70 and Lck following stimulation of interferon and T-cell receptors. *Journal of Molecular Biology*, **2005**, 353, 1001-10	6.5	12
90	Interaction of porphyrin with G-quadruplex structures. *Nucleosides, Nucleotides and Nucleic Acids*, **2005**, 24, 753-6	1.4	9
89	Isothermal Titration Calorimetry: A Tutorial **2005**, 35-58		6
88	Thermodynamic Indications of the Molten Globule State of Cytochrome c Induced by Hydrophobic Salts **2005**, 215-230		1
87	Energetics of Site-Specific DNA Recognition by Integrase Tn916 **2005**, 187-202		
86	Microcalorimetry as Applied to Psychrophilic Enzymes **2005**, 231-240		
85	An Autosampling Differential Scanning Calorimeter for Study of Biomolecular Interactions **2005**, 241-251		
84	Energetics of the Interaction of Human Acidic Fibroblast Growth Factor with Heparin and the Functional Analogue Myo-Inositol Hexasulfate **2005**, 133-150		
83	Thermodynamics of SH2 Domain Binding **2005**, 151-173		
82	Dissecting the Thermodynamics of DNA-Protein Interactions **2005**, 81-91		
81	Salt Effects in Ribonuclease-Ligand Interactions: Screening or Competitive Binding? **2005**, 93-105		

80	H-NS is a part of a thermally controlled mechanism for bacterial gene regulation. *Biochemical Journal*, **2005**, 391, 203-13	3.8	122
79	Thermodynamics–Structure Correlations of Sulfonamide Inhibitor Binding to Carbonic Anhydrase **2005**, 107-132		2
78	Linkage between Temperature and Chemical Denaturant Effects on Protein Stability: The Interpretation of Calorimetrically-Determined m Values **2005**, 203-214		1
77	Molecular basis for TPR domain-mediated regulation of protein phosphatase 5. *EMBO Journal*, **2005** , 24, 1-10	13	166
76	NMR assignment of the apo and peptide-bound SH2 domain from the Rous sarcoma viral protein Src. *Journal of Biomolecular NMR*, **2005**, 32, 339	3	2
75	The Application of Isothermal Titration Calorimetry to Drug Discovery **2005**, 59-79		5
74	Applications of Biocalorimetry: Binding, Stability and Enzyme Kinetics **2005**, 1-34		7
73	Titration Calorimetry as a Tool to Determine Thermodynamic and Kinetic Parameters of Enzymes **2005**, 175-185		3
72	Protein-Protein Recognition in Phosphotyrosine-Mediated Intracellular Signaling **2005**, 165-184		10
71	Solvation and the hidden thermodynamics of a zinc finger probed by nonstandard repair of a protein crevice. *Protein Science*, **2004**, 13, 3115-26	6.3	13
70	Application of isothermal titration calorimetry in the biological sciences: things are heating up!. *BioTechniques*, **2004**, 37, 885-7	2.5	60
69	The extended interface: measuring non-local effects in biomolecular interactions. *Current Opinion in Structural Biology*, **2004**, 14, 562-9	8.1	64
68	A survey of the year 2003 literature on applications of isothermal titration calorimetry. *Journal of Molecular Recognition*, **2004**, 17, 513-23	2.6	43
67	Why zinc fingers prefer zinc: ligand-field symmetry and the hidden thermodynamics of metal ion selectivity. *Biochemistry*, **2004**, 43, 13910-25	3.2	47
66	Heat capacity effects of water molecules and ions at a protein-DNA interface. *Journal of Molecular Biology*, **2004**, 336, 829-42	6.5	109
65	Halophilic adaptation of protein-DNA interactions. *Biochemical Society Transactions*, **2003**, 31, 677-80	5.1	31
64	A survey of the year 2002 literature on applications of isothermal titration calorimetry. *Journal of Molecular Recognition*, **2003**, 16, 383-91	2.6	47
63	Specificity is complex and time consuming: mutual exclusivity in tyrosine kinase-mediated signaling. *Accounts of Chemical Research*, **2003**, 36, 410-6	24.3	25

62	Identification of a novel proline-arginine motif involved in CIN85-dependent clustering of Cbl and down-regulation of epidermal growth factor receptors. *Journal of Biological Chemistry*, **2003**, 278, 39735-46	5.4	103
61	Reversal of halophilicity in a protein-DNA interaction by limited mutation strategy. *Structure*, **2002**, 10, 629-37	5.2	29
60	Backbone resonance assignments of the 25kD N-terminal ATPase domain from the Hsp90 chaperone. *Journal of Biomolecular NMR*, **2002**, 23, 327-8	3	19
59	Interactions defining the specificity between fungal xylanases and the xylanase-inhibiting protein XIP-I from wheat. *Biochemical Journal*, **2002**, 365, 773-81	3.8	101
58	The hidden thermodynamics of a zinc finger. *Journal of Molecular Biology*, **2002**, 316, 969-89	6.5	37
57	Metal-dependent folding and stability of nuclear hormone receptor DNA-binding domains. *Journal of Molecular Biology*, **2002**, 319, 87-106	6.5	36
56	H-NS oligomerization domain structure reveals the mechanism for high order self-association of the intact protein. *Journal of Molecular Biology*, **2002**, 324, 841-50	6.5	109
55	Site-specific cation binding mediates TATA binding protein-DNA interaction from a hyperthermophilic archaeon. *Biochemistry*, **2001**, 40, 2419-25	3.2	42
54	Isothermal titration calorimetry: application to structure-based drug design. *Thermochimica Acta*, **2001**, 380, 209-215	2.9	47
53	The role of the Src homology 3-Src homology 2 interface in the regulation of Src kinases. *Journal of Biological Chemistry*, **2001**, 276, 17199-205	5.4	70
52	Analysis of SH2 domain--phosphopeptide interactions by isothermal titration calorimetry and surface plasmon resonance. *Methods in Molecular Biology*, **2001**, 124, 295-311	1.4	2
51	Inhibitors to the Src SH2 domain: a lesson in structure--thermodynamic correlation in drug design. *Archives of Biochemistry and Biophysics*, **2001**, 390, 158-68	4.1	32
50	Structural characterization of the N-terminal oligomerization domain of the bacterial chromatin-structuring protein, H-NS. *Journal of Molecular Biology*, **2001**, 306, 1127-37	6.5	36
49	Specific DNA recognition by the type II restriction endonuclease MunI: the effect of pH. *Biochemistry*, **2001**, 40, 14960-7	3.2	19
48	Expression of the Oct-1 transcription factor and characterization of its interactions with the Bob1 coactivator. *Biochemistry*, **2001**, 40, 6580-8	3.2	29
47	Alternative modes of binding of proteins with tandem SH2 domains. *Protein Science*, **2000**, 9, 570-9	6.3	29
46	Temporally regulated assembly of a dynamic signaling complex associated with the activated TCR. *European Journal of Immunology*, **2000**, 30, 2620-31	6.1	14
45	Drug-DNA recognition: energetics and implications for design. *Journal of Molecular Recognition*, **2000**, 13, 188-97	2.6	102

44	Oligomerization of the chromatin-structuring protein H-NS. *Molecular Microbiology*, **2000**, 36, 962-72	4.1	107
43	Searching for specificity in SH domains. *Chemistry and Biology*, **2000**, 7, R3-8		86
42	Localization and characterization of the hyaluronan-binding site on the link module from human TSG-6. *Structure*, **2000**, 8, 763-74	5.2	91
41	Comparison of binding energies of SrcSH2-phosphotyrosyl peptides with structure-based prediction using surface area based empirical parameterization. *Protein Science*, **2000**, 9, 1975-85	6.3	37
40	Structural basis for recognition of dipeptides by peptide transporters. *Archives of Biochemistry and Biophysics*, **2000**, 384, 9-23	4.1	32
39	Specificity and interactions of the protein OppA: partitioning solvent binding effects using mass spectrometry. *Journal of Molecular Biology*, **2000**, 296, 269-79	6.5	48
38	Characterization of sequence-specific DNA binding by the transcription factor Oct-1. *Biochemistry*, **2000**, 39, 7570-9	3.2	34
37	Probing the nature of interactions in SH2 binding interfaces--evidence from electrospray ionization mass spectrometry. *Protein Science*, **1999**, 8, 1962-70	6.3	32
36	Structure of the PH domain from Bruton's tyrosine kinase in complex with inositol 1,3,4,5-tetrakisphosphate. *Structure*, **1999**, 7, 449-60	5.2	170
35	TCR binding to peptide-MHC stabilizes a flexible recognition interface. *Immunity*, **1999**, 10, 357-65	32.3	273
34	Structural basis for inhibition of the Hsp90 molecular chaperone by the antitumor antibiotics radicicol and geldanamycin. *Journal of Medicinal Chemistry*, **1999**, 42, 260-6	8.3	875
33	Regulation of Hsp90 ATPase activity by tetratricopeptide repeat (TPR)-domain co-chaperones. *EMBO Journal*, **1999**, 18, 754-62	13	334
32	Oct-1 POU and octamer DNA co-operate to recognise the Bob-1 transcription co-activator via induced folding. *Journal of Molecular Biology*, **1999**, 288, 941-52	6.5	47
31	Crystallographic and calorimetric analysis of peptide binding to OppA protein. *Journal of Molecular Biology*, **1999**, 291, 393-415	6.5	136
30	ATP binding and hydrolysis are essential to the function of the Hsp90 molecular chaperone in vivo. *EMBO Journal*, **1998**, 17, 4829-36	13	589
29	Mass spectrometric and thermodynamic studies reveal the role of water molecules in complexes formed between SH2 domains and tyrosyl phosphopeptides. *Structure*, **1998**, 6, 1141-51	5.2	65
28	Molecular design using electrostatic interactions. 1. Synthesis and properties of flexible tripodand tri- and hexa-cations with restricted conformations. Molecular selection of ferricyanide from ferrocyanide. *Tetrahedron*, **1998**, 54, 949-968	2.4	21
27	Probing the "two-pronged plug two-holed socket" model for the mechanism of binding of the Src SH2 domain to phosphotyrosyl peptides: a thermodynamic study. *Biochemistry*, **1998**, 37, 9083-90	3.2	86

26	RT loop flexibility enhances the specificity of Src family SH3 domains for HIV-1 Nef. *Biochemistry*, **1998**, 37, 14683-91	3.2	111
25	The effects of salt on the TATA binding protein-DNA interaction from a hyperthermophilic archaeon. *Journal of Molecular Biology*, **1998**, 279, 117-25	6.5	109
24	Specific binding of hoechst 33258 to the d(CGCAAATTTGCG)2 duplex: calorimetric and spectroscopic studies. *Journal of Molecular Biology*, **1997**, 271, 244-57	6.5	279
23	Identification and structural characterization of the ATP/ADP-binding site in the Hsp90 molecular chaperone. *Cell*, **1997**, 90, 65-75	56.2	1080
22	Two EGF molecules contribute additively to stabilization of the EGFR dimer. *EMBO Journal*, **1997**, 16, 281-94	13	271
21	The high-resolution crystal structure of a 24-kDa gyrase B fragment from E. coli complexed with one of the most potent coumarin inhibitors, clorobiocin **1997**, 28, 41-52		119
20	The high-resolution crystal structure of a 24-kDa gyrase B fragment from E. coli complexed with one of the most potent coumarin inhibitors, clorobiocin **1997**, 28, 41		5
19	Molecular Anchoring of Duplex and Triplex DNA by Disubstituted Anthracene-9,10-diones: Calorimetric, UV Melting, and Competition Dialysis Studies. *Journal of the American Chemical Society*, **1996**, 118, 10693-10701	16.4	51
18	Alternative modes of tyrosyl phosphopeptide binding to a Src family SH2 domain: implications for regulation of tyrosine kinase activity. *Biochemistry*, **1996**, 35, 11062-9	3.2	41
17	Just add water! The effect of water on the specificity of protein-ligand binding sites and its potential application to drug design. *Chemistry and Biology*, **1996**, 3, 973-80		391
16	Water-mediated protein-DNA interactions: the relationship of thermodynamics to structural detail. *Protein Science*, **1996**, 5, 2115-8	6.3	95
15	The role of water in sequence-independent ligand binding by an oligopeptide transporter protein. *Nature Structural Biology*, **1996**, 3, 998-1001		103
14	Sensing the heat: the application of isothermal titration calorimetry to thermodynamic studies of biomolecular interactions. *Chemistry and Biology*, **1996**, 3, 791-801		262
13	Substitution of charged residues into the hydrophobic core of Escherichia coli thioredoxin results in a change in heat capacity of the native protein. *Biochemistry*, **1995**, 34, 2148-52	3.2	30
12	Counting the calories to stay in the groove. *Structure*, **1995**, 3, 635-9	5.2	51
11	Turning up the heat on rational drug design. *Bio/technology*, **1994**, 12, 1083-5		8
10	Heparin-induced oligomerization of FGF molecules is responsible for FGF receptor dimerization, activation, and cell proliferation. *Cell*, **1994**, 79, 1015-24	56.2	605
9	A thermodynamic study of the trp repressor-operator interaction. *Journal of Molecular Biology*, **1994**, 238, 669-81	6.5	198

8	Thermodynamic effects of reduction of the active-site disulfide of Escherichia coli thioredoxin explored by differential scanning calorimetry. *Biochemistry*, **1994**, 33, 3688-92	3.2	34
7	The thermodynamics of formation of a three-strand, DNA three-way junction complex. *Biochemistry* , **1994**, 33, 6828-33	3.2	29
6	Thermodynamic studies of tyrosyl-phosphopeptide binding to the SH2 domain of p56lck. *Biochemistry*, **1994**, 33, 5070-6	3.2	64
5	Stability of oxidized Escherichia coli thioredoxin and its dependence on protonation of the aspartic acid residue in the 26 position. *Biochemistry*, **1993**, 32, 7526-30	3.2	38
4	A ribonuclease S-peptide antagonist discovered with a bacteriophage display library. *Gene*, **1993**, 128, 37-42	3.8	76
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2	Application of DSC for the measurement of the thermal conductivity of elastomeric materials. *Thermochimica Acta*, **1990**, 169, 39-45	2.9	9
1	Grb2 binding induces phosphorylation-independent activation of Shp2		1