

John Edward Ladbury

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187
papers

14,639
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57
h-index

119
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266
ext. papers

15,930
ext. citations

9.1
avg, IF

6.09
L-index

#	Paper	IF	Citations
187	A landscape of driver mutations in melanoma. <i>Cell</i> , 2012 , 150, 251-63	56.2	1799
186	Identification and structural characterization of the ATP/ADP-binding site in the Hsp90 molecular chaperone. <i>Cell</i> , 1997 , 90, 65-75	56.2	1080
185	Structural basis for inhibition of the Hsp90 molecular chaperone by the antitumor antibiotics radicicol and geldanamycin. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 260-6	8.3	875
184	Heparin-induced oligomerization of FGF molecules is responsible for FGF receptor dimerization, activation, and cell proliferation. <i>Cell</i> , 1994 , 79, 1015-24	56.2	605
183	ATP binding and hydrolysis are essential to the function of the Hsp90 molecular chaperone in vivo. <i>EMBO Journal</i> , 1998 , 17, 4829-36	13	589
182	Microscale thermophoresis quantifies biomolecular interactions under previously challenging conditions. <i>Methods</i> , 2013 , 59, 301-15	4.6	397
181	Just add water! The effect of water on the specificity of protein-ligand binding sites and its potential application to drug design. <i>Chemistry and Biology</i> , 1996 , 3, 973-80		391
180	Regulation of Hsp90 ATPase activity by tetratricopeptide repeat (TPR)-domain co-chaperones. <i>EMBO Journal</i> , 1999 , 18, 754-62	13	334
179	Adding calorimetric data to decision making in lead discovery: a hot tip. <i>Nature Reviews Drug Discovery</i> , 2010 , 9, 23-7	64.1	315
178	Specific binding of hoechst 33258 to the d(CGCAAATTTGCG) ₂ duplex: calorimetric and spectroscopic studies. <i>Journal of Molecular Biology</i> , 1997 , 271, 244-57	6.5	279
177	TCR binding to peptide-MHC stabilizes a flexible recognition interface. <i>Immunity</i> , 1999 , 10, 357-65	32.3	273
176	Pharmacological inactivation of Skp2 SCF ubiquitin ligase restricts cancer stem cell traits and cancer progression. <i>Cell</i> , 2013 , 154, 556-68	56.2	271
175	Two EGF molecules contribute additively to stabilization of the EGFR dimer. <i>EMBO Journal</i> , 1997 , 16, 281-94	13	271
174	Sensing the heat: the application of isothermal titration calorimetry to thermodynamic studies of biomolecular interactions. <i>Chemistry and Biology</i> , 1996 , 3, 791-801		262
173	The thermodynamics of protein-ligand interaction and solvation: insights for ligand design. <i>Journal of Molecular Biology</i> , 2008 , 384, 1002-17	6.5	251
172	A thermodynamic study of the trp repressor-operator interaction. <i>Journal of Molecular Biology</i> , 1994 , 238, 669-81	6.5	198
171	Structure and interactions of the human programmed cell death 1 receptor. <i>Journal of Biological Chemistry</i> , 2013 , 288, 11771-85	5.4	185

170	Structure of the PH domain from Bruton's tyrosine kinase in complex with inositol 1,3,4,5-tetrakisphosphate. <i>Structure</i> , 1999 , 7, 449-60	5.2	170
169	Molecular basis for TPR domain-mediated regulation of protein phosphatase 5. <i>EMBO Journal</i> , 2005 , 24, 1-10	13	166
168	T(H)17 cells promote microbial killing and innate immune sensing of DNA via interleukin 26. <i>Nature Immunology</i> , 2015 , 16, 970-9	19.1	147
167	Crystallographic and calorimetric analysis of peptide binding to OppA protein. <i>Journal of Molecular Biology</i> , 1999 , 291, 393-415	6.5	136
166	H-NS forms a superhelical protein scaffold for DNA condensation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15728-32	11.5	130
165	H-NS is a part of a thermally controlled mechanism for bacterial gene regulation. <i>Biochemical Journal</i> , 2005 , 391, 203-13	3.8	122
164	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
163	Extent of enthalpy-entropy compensation in protein-ligand interactions. <i>Protein Science</i> , 2011 , 20, 1607-68		112
162	RT loop flexibility enhances the specificity of Src family SH3 domains for HIV-1 Nef. <i>Biochemistry</i> , 1998 , 37, 14683-91	3.2	111
161	Inhibition of basal FGF receptor signaling by dimeric Grb2. <i>Cell</i> , 2012 , 149, 1514-24	56.2	110
160	Heat capacity effects of water molecules and ions at a protein-DNA interface. <i>Journal of Molecular Biology</i> , 2004 , 336, 829-42	6.5	109
159	H-NS oligomerization domain structure reveals the mechanism for high order self-association of the intact protein. <i>Journal of Molecular Biology</i> , 2002 , 324, 841-50	6.5	109
158	The effects of salt on the TATA binding protein-DNA interaction from a hyperthermophilic archaeon. <i>Journal of Molecular Biology</i> , 1998 , 279, 117-25	6.5	109
157	Oligomerization of the chromatin-structuring protein H-NS. <i>Molecular Microbiology</i> , 2000 , 36, 962-72	4.1	107
156	Identification of a novel proline-arginine motif involved in CIN85-dependent clustering of Cbl and down-regulation of epidermal growth factor receptors. <i>Journal of Biological Chemistry</i> , 2003 , 278, 39735-46	5.4	103
155	The role of water in sequence-independent ligand binding by an oligopeptide transporter protein. <i>Nature Structural Biology</i> , 1996 , 3, 998-1001		103
154	Drug-DNA recognition: energetics and implications for design. <i>Journal of Molecular Recognition</i> , 2000 , 13, 188-97	2.6	102
153	Interactions defining the specificity between fungal xylanases and the xylanase-inhibiting protein XIP-I from wheat. <i>Biochemical Journal</i> , 2002 , 365, 773-81	3.8	101

152	Water-mediated protein-DNA interactions: the relationship of thermodynamics to structural detail. <i>Protein Science</i> , 1996 , 5, 2115-8	6.3	95
151	Localization and characterization of the hyaluronan-binding site on the link module from human TSG-6. <i>Structure</i> , 2000 , 8, 763-74	5.2	91
150	Searching for specificity in SH domains. <i>Chemistry and Biology</i> , 2000 , 7, R3-8		86
149	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. <i>Biochemistry</i> , 1998 , 37, 9083-90	3.2	86
148	Conformational changes in the AAA ATPase p97-p47 adaptor complex. <i>EMBO Journal</i> , 2006 , 25, 1967-76	13	85
147	PRMT1-mediated methylation of the EGF receptor regulates signaling and cetuximab response. <i>Journal of Clinical Investigation</i> , 2015 , 125, 4529-43	15.9	85
146	Catalytic protein modification with dirhodium metallopeptides: specificity in designed and natural systems. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10138-45	16.4	84
145	T cell receptor "inside-out" pathway via signaling module SKAP1-RapL regulates T cell motility and interactions in lymph nodes. <i>Immunity</i> , 2010 , 32, 541-56	32.3	81
144	Molecular recognition via coupled folding and binding in a TPR domain. <i>Journal of Molecular Biology</i> , 2005 , 346, 717-32	6.5	79
143	Noise in cellular signaling pathways: causes and effects. <i>Trends in Biochemical Sciences</i> , 2012 , 37, 173-8	10.3	76
142	A ribonuclease S-peptide antagonist discovered with a bacteriophage display library. <i>Gene</i> , 1993 , 128, 37-42	3.8	76
141	Calorimetry as a tool for understanding biomolecular interactions and an aid to drug design. <i>Biochemical Society Transactions</i> , 2010 , 38, 888-93	5.1	74
140	Conformational diversity in the TPR domain-mediated interaction of protein phosphatase 5 with Hsp90. <i>Structure</i> , 2006 , 14, 415-26	5.2	73
139	Survey of the year 2004: literature on applications of isothermal titration calorimetry. <i>Journal of Molecular Recognition</i> , 2006 , 19, 79-89	2.6	73
138	The role of the Src homology 3-Src homology 2 interface in the regulation of Src kinases. <i>Journal of Biological Chemistry</i> , 2001 , 276, 17199-205	5.4	70
137	Survey of the year 2005: literature on applications of isothermal titration calorimetry. <i>Journal of Molecular Recognition</i> , 2007 , 20, 4-14	2.6	67
136	Discovery and characterization of novel selective inhibitors of carbonic anhydrase IX. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 9435-46	8.3	65
135	Mass spectrometric and thermodynamic studies reveal the role of water molecules in complexes formed between SH2 domains and tyrosyl phosphopeptides. <i>Structure</i> , 1998 , 6, 1141-51	5.2	65

134	The extended interface: measuring non-local effects in biomolecular interactions. <i>Current Opinion in Structural Biology</i> , 2004 , 14, 562-9	8.1	64
133	Thermodynamic studies of tyrosyl-phosphopeptide binding to the SH2 domain of p56lck. <i>Biochemistry</i> , 1994 , 33, 5070-6	3.2	64
132	Erythropoietin Stimulates Tumor Growth via EphB4. <i>Cancer Cell</i> , 2015 , 28, 610-622	24.3	60
131	Application of isothermal titration calorimetry in the biological sciences: things are heating up!. <i>BioTechniques</i> , 2004 , 37, 885-7	2.5	60
130	Molecular Anchoring of Duplex and Triplex DNA by Disubstituted Anthracene-9,10-diones: Calorimetric, UV Melting, and Competition Dialysis Studies. <i>Journal of the American Chemical Society</i> , 1996 , 118, 10693-10701	16.4	51
129	Counting the calories to stay in the groove. <i>Structure</i> , 1995 , 3, 635-9	5.2	51
128	Grb2 controls phosphorylation of FGFR2 by inhibiting receptor kinase and Shp2 phosphatase activity. <i>Journal of Cell Biology</i> , 2013 , 200, 493-504	7.3	49
127	A requirement for ERK-dependent Dicer phosphorylation in coordinating oocyte-to-embryo transition in <i>C. elegans</i> . <i>Developmental Cell</i> , 2014 , 31, 614-28	10.2	49
126	Specificity and interactions of the protein OppA: partitioning solvent binding effects using mass spectrometry. <i>Journal of Molecular Biology</i> , 2000 , 296, 269-79	6.5	48
125	A survey of the year 2002 literature on applications of isothermal titration calorimetry. <i>Journal of Molecular Recognition</i> , 2003 , 16, 383-91	2.6	47
124	Why zinc fingers prefer zinc: ligand-field symmetry and the hidden thermodynamics of metal ion selectivity. <i>Biochemistry</i> , 2004 , 43, 13910-25	3.2	47
123	Isothermal titration calorimetry: application to structure-based drug design. <i>Thermochimica Acta</i> , 2001 , 380, 209-215	2.9	47
122	Oct-1 POU and octamer DNA co-operate to recognise the Bob-1 transcription co-activator via induced folding. <i>Journal of Molecular Biology</i> , 1999 , 288, 941-52	6.5	47
121	Extracellular point mutations in FGFR2 elicit unexpected changes in intracellular signalling. <i>Biochemical Journal</i> , 2008 , 413, 37-49	3.8	45
120	Binding with nucleic acids or glycosaminoglycans converts soluble protein oligomers to amyloid. <i>Journal of Biological Chemistry</i> , 2012 , 287, 736-747	5.4	43
119	Global effects of the energetics of coenzyme binding: NADPH controls the protein interaction properties of human cytochrome P450 reductase. <i>Biochemistry</i> , 2006 , 45, 1421-34	3.2	43
118	A survey of the year 2003 literature on applications of isothermal titration calorimetry. <i>Journal of Molecular Recognition</i> , 2004 , 17, 513-23	2.6	43
117	Site-specific cation binding mediates TATA binding protein-DNA interaction from a hyperthermophilic archaeon. <i>Biochemistry</i> , 2001 , 40, 2419-25	3.2	42

116	Alternative modes of tyrosyl phosphopeptide binding to a Src family SH2 domain: implications for regulation of tyrosine kinase activity. <i>Biochemistry</i> , 1996 , 35, 11062-9	3.2	41
115	Molecular interactions of ASPP1 and ASPP2 with the p53 protein family and the apoptotic promoters PUMA and Bax. <i>Nucleic Acids Research</i> , 2008 , 36, 5139-51	20.1	38
114	Stability of oxidized Escherichia coli thioredoxin and its dependence on protonation of the aspartic acid residue in the 26 position. <i>Biochemistry</i> , 1993 , 32, 7526-30	3.2	38
113	The hidden thermodynamics of a zinc finger. <i>Journal of Molecular Biology</i> , 2002 , 316, 969-89	6.5	37
112	Comparison of binding energies of SrcSH2-phosphotyrosyl peptides with structure-based prediction using surface area based empirical parameterization. <i>Protein Science</i> , 2000 , 9, 1975-85	6.3	37
111	Competition between Grb2 and Plc β for FGFR2 regulates basal phospholipase activity and invasion. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 180-8	17.6	36
110	Metal-dependent folding and stability of nuclear hormone receptor DNA-binding domains. <i>Journal of Molecular Biology</i> , 2002 , 319, 87-106	6.5	36
109	Structural characterization of the N-terminal oligomerization domain of the bacterial chromatin-structuring protein, H-NS. <i>Journal of Molecular Biology</i> , 2001 , 306, 1127-37	6.5	36
108	A novel dual kinase function of the RET proto-oncogene negatively regulates activating transcription factor 4-mediated apoptosis. <i>Journal of Biological Chemistry</i> , 2015 , 290, 11749-61	5.4	35
107	Characterization of sequence-specific DNA binding by the transcription factor Oct-1. <i>Biochemistry</i> , 2000 , 39, 7570-9	3.2	34
106	Thermodynamic effects of reduction of the active-site disulfide of Escherichia coli thioredoxin explored by differential scanning calorimetry. <i>Biochemistry</i> , 1994 , 33, 3688-92	3.2	34
105	Crystal structure and binding properties of the CD2 and CD244 (2B4)-binding protein, CD48. <i>Journal of Biological Chemistry</i> , 2006 , 281, 29309-20	5.4	32
104	Structural basis for recognition of dipeptides by peptide transporters. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 384, 9-23	4.1	32
103	Inhibitors to the Src SH2 domain: a lesson in structure--thermodynamic correlation in drug design. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 390, 158-68	4.1	32
102	Probing the nature of interactions in SH2 binding interfaces--evidence from electrospray ionization mass spectrometry. <i>Protein Science</i> , 1999 , 8, 1962-70	6.3	32
101	Investigation of the self-association and hetero-association interactions of H-NS and StpA from Enterobacteria. <i>Molecular Microbiology</i> , 2009 , 73, 165-79	4.1	31
100	Energetics of Src homology domain interactions in receptor tyrosine kinase-mediated signaling. <i>Methods in Enzymology</i> , 2011 , 488, 147-83	1.7	31
99	Halophilic adaptation of protein-DNA interactions. <i>Biochemical Society Transactions</i> , 2003 , 31, 677-80	5.1	31

98	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. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 8970-84	8.3	30
97	(19)F NMR reveals multiple conformations at the dimer interface of the nonstructural protein 1 effector domain from influenza A virus. <i>Structure</i> , 2014 , 22, 515-525	5.2	30
96	Substitution of charged residues into the hydrophobic core of Escherichia coli thioredoxin results in a change in heat capacity of the native protein. <i>Biochemistry</i> , 1995 , 34, 2148-52	3.2	30
95	Grb2 monomer-dimer equilibrium determines normal versus oncogenic function. <i>Nature Communications</i> , 2015 , 6, 7354	17.4	29
94	A variable DNA recognition site organization establishes the LiaR-mediated cell envelope stress response of enterococci to daptomycin. <i>Nucleic Acids Research</i> , 2015 , 43, 4758-73	20.1	29
93	Rigid-body ligand recognition drives cytotoxic T-lymphocyte antigen 4 (CTLA-4) receptor triggering. <i>Journal of Biological Chemistry</i> , 2011 , 286, 6685-96	5.4	29
92	Identification of novel fragment compounds targeted against the pY pocket of v-Src SH2 by computational and NMR screening and thermodynamic evaluation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007 , 67, 981-90	4.2	29
91	Alternative modes of binding of proteins with tandem SH2 domains. <i>Protein Science</i> , 2000 , 9, 570-9	6.3	29
90	Reversal of halophilicity in a protein-DNA interaction by limited mutation strategy. <i>Structure</i> , 2002 , 10, 629-37	5.2	29
89	Expression of the Oct-1 transcription factor and characterization of its interactions with the Bob1 coactivator. <i>Biochemistry</i> , 2001 , 40, 6580-8	3.2	29
88	The thermodynamics of formation of a three-strand, DNA three-way junction complex. <i>Biochemistry</i> , 1994 , 33, 6828-33	3.2	29
87	Observed bromodomain flexibility reveals histone peptide- and small molecule ligand-compatible forms of ATAD2. <i>Biochemical Journal</i> , 2015 , 466, 337-46	3.8	27
86	H-NS uses an autoinhibitory conformational switch for environment-controlled gene silencing. <i>Nucleic Acids Research</i> , 2019 , 47, 2666-2680	20.1	27
85	Specificity is complex and time consuming: mutual exclusivity in tyrosine kinase-mediated signaling. <i>Accounts of Chemical Research</i> , 2003 , 36, 410-6	24.3	25
84	Grb2 depletion under non-stimulated conditions inhibits PTEN, promotes Akt-induced tumor formation and contributes to poor prognosis in ovarian cancer. <i>Oncogene</i> , 2016 , 35, 2186-96	9.2	24
83	Probing cocaine-antibody interactions in buffer and human serum. <i>PLoS ONE</i> , 2012 , 7, e40518	3.7	24
82	Direct binding of Grb2 SH3 domain to FGFR2 regulates SHP2 function. <i>Cellular Signalling</i> , 2010 , 22, 23-33	4.9	24
81	Thermodynamic, kinetic, and structural parameterization of human carbonic anhydrase interactions toward enhanced inhibitor design. <i>Quarterly Reviews of Biophysics</i> , 2018 , 51, e10	7	24

80	A Secreted RNA Binding Protein Forms RNA-Stabilizing Granules in the Honeybee Royal Jelly. <i>Molecular Cell</i> , 2019 , 74, 598-608.e6	17.6	23
79	HER family kinase domain mutations promote tumor progression and can predict response to treatment in human breast cancer. <i>Molecular Oncology</i> , 2015 , 9, 586-600	7.9	23
78	Potent and selective inhibition of SH3 domains with dirhodium metalloinhibitors. <i>Chemical Science</i> , 2015 , 6, 4778-4783	9.4	21
77	Interaction with Shc prevents aberrant Erk activation in the absence of extracellular stimuli. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 620-7	17.6	21
76	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. <i>Tetrahedron</i> , 1998 , 54, 949-968	2.4	21
75	Anti-apoptotic ARC protein confers chemoresistance by controlling leukemia-microenvironment interactions through a NFB/IL1 β signaling network. <i>Oncotarget</i> , 2016 , 7, 20054-67	3.3	21
74	Partial filling multiple injection affinity capillary electrophoresis (PFMIACE) to estimate binding constants of receptors to ligands. <i>Talanta</i> , 2007 , 71, 192-201	6.2	20
73	Structural-thermodynamic relationships of interactions in the N-terminal ATP-binding domain of Hsp90. <i>Journal of Molecular Biology</i> , 2009 , 392, 923-36	6.5	19
72	Structure, dynamics, and binding thermodynamics of the v-Src SH2 domain: implications for drug design. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008 , 73, 929-40	4.2	19
71	Backbone resonance assignments of the 25kD N-terminal ATPase domain from the Hsp90 chaperone. <i>Journal of Biomolecular NMR</i> , 2002 , 23, 327-8	3	19
70	Specific DNA recognition by the type II restriction endonuclease MunI: the effect of pH. <i>Biochemistry</i> , 2001 , 40, 14960-7	3.2	19
69	A phosphorylation-dependent gating mechanism controls the SH2 domain interactions of the Shc adaptor protein. <i>Journal of Molecular Biology</i> , 2008 , 377, 740-7	6.5	18
68	SLP-76 sterile ζ -motif (SAM) and individual H5 α -helix mediate oligomer formation for microclusters and T-cell activation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 29539-49	5.4	17
67	A differential scanning calorimetric study of the thermal unfolding of mutant forms of phage T4 lysozyme. <i>Biochemistry</i> , 1992 , 31, 10699-702	3.2	16
66	Structural Basis of Cyclic Nucleotide Selectivity in cGMP-dependent Protein Kinase II. <i>Journal of Biological Chemistry</i> , 2016 , 291, 5623-5633	5.4	14
65	Redox-state-dependent complex formation between pseudoazurin and nitrite reductase. <i>Journal of the American Chemical Society</i> , 2007 , 129, 226-33	16.4	14
64	Temporally regulated assembly of a dynamic signaling complex associated with the activated TCR. <i>European Journal of Immunology</i> , 2000 , 30, 2620-31	6.1	14
63	Plakophilin-3 catenin associates with the ETV1/ER81 transcription factor to positively modulate gene activity. <i>PLoS ONE</i> , 2014 , 9, e86784	3.7	14

62	Extension of ThermoML: The IUPAC standard for thermodynamic data communications (IUPAC Recommendations 2011). <i>Pure and Applied Chemistry</i> , 2011 , 83, 1937-1969	2.1	13
61	Solvation and the hidden thermodynamics of a zinc finger probed by nonstandard repair of a protein crevice. <i>Protein Science</i> , 2004 , 13, 3115-26	6.3	13
60	Extracellular point mutations in FGFR2 result in elevated ERK1/2 activation and perturbation of neuronal differentiation. <i>Biochemical Journal</i> , 2008 , 410, 205-11	3.8	13
59	Indirect recruitment of the signalling adaptor Shc to the fibroblast growth factor receptor 2 (FGFR2). <i>Biochemical Journal</i> , 2008 , 416, 189-99	3.8	13
58	Distinct spatial and temporal distribution of ZAP70 and Lck following stimulation of interferon and T-cell receptors. <i>Journal of Molecular Biology</i> , 2005 , 353, 1001-10	6.5	12
57	Novel insights into the mechanisms of CIN85 SH3 domains binding to Cbl proteins: solution-based investigations and in vivo implications. <i>Journal of Molecular Biology</i> , 2009 , 387, 1120-36	6.5	11
56	StpA protein from Escherichia coli condenses supercoiled DNA in preference to linear DNA and protects it from digestion by DNase I and EcoKI. <i>Nucleic Acids Research</i> , 2005 , 33, 6540-6	20.1	11
55	Energy landscape of polymorphic amyloid generation of α -microglobulin revealed by calorimetry. <i>Chemical Communications</i> , 2018 , 54, 7995-7998	5.8	11
54	A complex of Shc and Ran-GTPase localises to the cell nucleus. <i>Cellular and Molecular Life Sciences</i> , 2009 , 66, 711-20	10.3	10
53	Protein-Protein Recognition in Phosphotyrosine-Mediated Intracellular Signaling 2005 , 165-184		10
52	Native and engineered tropism of vectors derived from a rare species D adenovirus serotype 43. <i>Oncotarget</i> , 2016 , 7, 53414-53429	3.3	10
51	Phosphorylation of threonine residues on Shc promotes ligand binding and mediates crosstalk between MAPK and Akt pathways in breast cancer cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2018 , 94, 89-97	5.6	9
50	Biophysical characterization of VEGF-aHt DNA aptamer interactions. <i>International Journal of Biological Macromolecules</i> , 2013 , 57, 69-75	7.9	9
49	Interaction of porphyrin with G-quadruplex structures. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005 , 24, 753-6	1.4	9
48	Application of DSC for the measurement of the thermal conductivity of elastomeric materials. <i>Thermochimica Acta</i> , 1990 , 169, 39-45	2.9	9
47	Expression pattern of FGFR2, Grb2 and Plc β acts as a novel prognostic marker of recurrence recurrence-free survival in lung adenocarcinoma. <i>American Journal of Cancer Research</i> , 2015 , 5, 3135-48	4.4	9
46	Targeting the Shc-EGFR interaction with indomethacin inhibits MAP kinase pathway signalling. <i>Cancer Letters</i> , 2019 , 457, 86-97	9.9	8
45	Non-covalent forces tune the electron transfer complex between ferredoxin and sulfite reductase to optimize enzymatic activity. <i>Biochemical Journal</i> , 2016 , 473, 3837-3854	3.8	8

44	FGFR1-mediated protocadherin-15 loading mediates cargo specificity during intraflagellar transport in inner ear hair-cell kinocilia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8388-8393	11.5	8
43	ThermoML: An XML-Based Approach for Storage and Exchange of Experimental and Critically Evaluated Thermophysical and Thermochemical Property Data. 4. Biomaterials. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1564-1572	2.8	8
42	T-cell receptor early signalling complex activation in response to interferon-alpha receptor stimulation. <i>Biochemical Journal</i> , 2010 , 428, 429-37	3.8	8
41	Turning up the heat on rational drug design. <i>Bio/technology</i> , 1994 , 12, 1083-5		8
40	Applications of Biocalorimetry: Binding, Stability and Enzyme Kinetics 2005 , 1-34		7
39	Intrinsic Thermodynamics of Protein-Ligand Binding by Isothermal Titration Calorimetry as Aid to Drug Design. <i>Methods in Molecular Biology</i> , 2019 , 1964, 61-74	1.4	6
38	CD25 and CD69 induction by α outside-in signalling requires TCR early signalling complex proteins. <i>Biochemical Journal</i> , 2013 , 454, 109-21	3.8	6
37	Effects of full-length borealin on the composition and protein-protein interaction activity of a binary chromosomal passenger complex. <i>Biochemistry</i> , 2009 , 48, 1156-61	3.2	6
36	Isothermal Titration Calorimetry: A Tutorial 2005 , 35-58		6
35	ThermoML: an XML-Based Approach for Storage and Exchange of Experimental and Critically Evaluated Thermophysical and Thermochemical Property Data. 5. Speciation and Complex Equilibria. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 307-316	2.8	5
34	Measurement of the formation of complexes in tyrosine kinase-mediated signal transduction. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007 , 63, 26-31		5
33	The Application of Isothermal Titration Calorimetry to Drug Discovery 2005 , 59-79		5
32	DEPS-1 is required for piRNA-dependent silencing and PIWI condensate organisation in <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2020 , 11, 4242	17.4	5
31	The high-resolution crystal structure of a 24-kDa gyrase B fragment from <i>E. coli</i> complexed with one of the most potent coumarin inhibitors, clorobiocin 1997 , 28, 41		5
30	Receptor tyrosine kinases regulate signal transduction through a liquid-liquid phase separated state.. <i>Molecular Cell</i> , 2022 ,	17.6	5
29	Drug Resistance in Glioma Cells Induced by a Mesenchymal-Amoeboid Migratory Switch.. <i>Biomedicines</i> , 2021 , 10,	4.8	5
28	Tpl2 is required for VEGF-A-stimulated signal transduction and endothelial cell function. <i>Biology Open</i> , 2019 , 8,	2.2	4
27	The absence of inorganic salt is required for the crystallization of the complete oligomerization domain of <i>Salmonella typhimurium</i> histone-like nucleoid-structuring protein. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010 , 66, 421-5		4

26	The binding stoichiometry of CIN85 SH3 domain A and cbl-b. <i>Nature Structural and Molecular Biology</i> , 2008 , 15, 890-1; author reply 891-2	17.6	4
25	Application of Isothermal Titration Calorimetry in Exploring the Extended Interface 2007 , 231-254		4
24	A novel workflow for three-dimensional analysis of tumour cell migration. <i>Interface Focus</i> , 2020 , 10, 20190070	3.9	3
23	Titration Calorimetry as a Tool to Determine Thermodynamic and Kinetic Parameters of Enzymes 2005 , 175-185		3
22	Grb2 binding induces phosphorylation-independent activation of Shp2. <i>Communications Biology</i> , 2021 , 4, 437	6.7	3
21	Thermodynamics Structure Correlations of Sulfonamide Inhibitor Binding to Carbonic Anhydrase 2005 , 107-132		2
20	NMR assignment of the apo and peptide-bound SH2 domain from the Rous sarcoma viral protein Src. <i>Journal of Biomolecular NMR</i> , 2005 , 32, 339	3	2
19	Analysis of SH2 domain--phosphopeptide interactions by isothermal titration calorimetry and surface plasmon resonance. <i>Methods in Molecular Biology</i> , 2001 , 124, 295-311	1.4	2
18	Histone deacetylase inhibitors induce medulloblastoma cell death independent of HDACs recruited in REST repression complexes. <i>Molecular Genetics & Genomic Medicine</i> , 2020 , 8, e1429	2.3	2
17	The toolbox is open, but who should pay for the job?. <i>Nature Reviews Drug Discovery</i> , 2014 , 13, 479-80	64.1	1
16	Thermodynamic Indications of the Molten Globule State of Cytochrome c Induced by Hydrophobic Salts 2005 , 215-230		1
15	Linkage between Temperature and Chemical Denaturant Effects on Protein Stability: The Interpretation of Calorimetrically-Determined m Values 2005 , 203-214		1
14	Grb2 binding induces phosphorylation-independent activation of Shp2		1
13	Composition of receptor tyrosine kinase-mediated lipid micro-domains controlled by adaptor protein interaction. <i>Scientific Reports</i> , 2021 , 11, 6160	4.9	0
12	Switching the Inhibitor-Enzyme Recognition Profile via Chimeric Carbonic Anhydrase XII. <i>ChemistryOpen</i> , 2021 , 10, 567-580	2.3	0
11	Inhibitor Binding to Carbonic Anhydrases by Isothermal Titration Calorimetry 2019 , 79-95		
10	Energetics of Site-Specific DNA Recognition by Integrase Tn916 2005 , 187-202		
9	Microcalorimetry as Applied to Psychrophilic Enzymes 2005 , 231-240		

8 An Autosampling Differential Scanning Calorimeter for Study of Biomolecular Interactions **2005**, 241-251

7 Energetics of the Interaction of Human Acidic Fibroblast Growth Factor with Heparin and the Functional Analogue Myo-Inositol Hexasulfate **2005**, 133-150

6 Thermodynamics of SH2 Domain Binding **2005**, 151-173

5 Dissecting the Thermodynamics of DNA-Protein Interactions **2005**, 81-91

4 Salt Effects in Ribonuclease-Ligand Interactions: Screening or Competitive Binding? **2005**, 93-105

3 Receptor Tyrosine Kinase Signalling in the Absence of Kinase Activity and Cancer of Non-Genetic Origin. *FASEB Journal*, **2018**, 32, 804.27 0.9

2 Biophysical Characterization of Acyl Carrier Protein Domains from a Polyunsaturated Fatty Acid Synthase. *FASEB Journal*, **2012**, 26, 552.2 0.9

1 Grb2 controls phosphorylation of FGFR2 by inhibiting receptor kinase and Shp2 phosphatase activity. *Journal of General Physiology*, **2013**, 141, i8-i8 3-4