# John Edward Ladbury

List of Publications by Year
in descending order

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|---|---|---|---|
| 189 papers | 17,064 citations | 23565 58 h-index | 15265 126 g-index |
| 266 all docs | 266 docs citations | 266 times ranked | 22219 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Receptor tyrosine kinases regulate signal transduction through a liquid-liquid phase separated state. Molecular Cell, 2022, 82, 1089-1106.e12. | 9.7 | 38 |
| 2 | Drug Resistance in Glioma Cells Induced by a Mesenchymalâ€“Amoeboid Migratory Switch. Biomedicines, 2022, 10, 9. | 3.2 | 10 |
| 3 | Composition of receptor tyrosine kinase-mediated lipid micro-domains controlled by adaptor protein interaction. Scientific Reports, 2021, 11, 6160. | 3.3 | 7 |
| 4 | Grb2 binding induces phosphorylation-independent activation of Shp2. Communications Biology, 2021, 4, 437. | 4.4 | 13 |
| 5 | Switching the Inhibitorâ€Enzyme Recognition Profile via Chimeric Carbonic Anhydrase XII. ChemistryOpen, 2021, 10, 567-580. | 1.9 | 1 |
| 6 | DEPS-1 is required for piRNA-dependent silencing and PIWI condensate organisation in Caenorhabditis elegans. Nature Communications, 2020, 11, 4242. | 12.8 | 16 |
| 7 | Histone deacetylase inhibitors induce medulloblastoma cell death independent of HDACs recruited in REST repression complexes. Molecular Genetics & Genomic Medicine, 2020, 8, e1429. | 1.2 | 3 |
| 8 | A novel workflow for three-dimensional analysis of tumour cell migration. Interface Focus, 2020, 10, 20190070. | 3.0 | 4 |
| 9 | Inhibitor Binding to Carbonic Anhydrases by Isothermal Titration Calorimetry. , 2019, , 79-95. | | 0 |
| 10 | Targeting the Shc-EGFR interaction with indomethacin inhibits MAP kinase pathway signalling. Cancer Letters, 2019, 457, 86-97. | 7.2 | 17 |
| 11 | Intrinsic Thermodynamics of Protein-Ligand Binding by Isothermal Titration Calorimetry as Aid to Drug Design. Methods in Molecular Biology, 2019, 1964, 61-74. | 0.9 | 10 |
| 12 | Tpl2 is required for VEGF-A-stimulated signal transduction and endothelial cell function. Biology Open, 2019, 8, . | 1.2 | 5 |
| 13 | A Secreted RNA Binding Protein Forms RNA-Stabilizing Granules in the Honeybee Royal Jelly. Molecular Cell, 2019, 74, 598-608.e6. | 9.7 | 39 |
| 14 | H-NS uses an autoinhibitory conformational switch for environment-controlled gene silencing. Nucleic Acids Research, 2019, 47, 2666-2680. | 14.5 | 45 |
| 15 | Thermodynamics of Biomolecular Interactions. , 2019, , 1-19. | | 0 |
| 16 | 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. | 2.8 | 9 |
| 17 | Thermodynamic, kinetic, and structural parameterization of human carbonic anhydrase interactions toward enhanced inhibitor design. Quarterly Reviews of Biophysics, 2018, 51, e10. | 5.7 | 35 |
| 18 | Energy landscape of polymorphic amyloid generation of Î²2-microglobulin revealed by calorimetry. Chemical Communications, 2018, 54, 7995-7998. | 4.1 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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. | 7.1 | 14 |
| 20 | Receptor Tyrosine Kinase Signalling in the Absence of Kinase Activity and Cancer of Nonâ€Genetic Origin. FASEB Journal, 2018, 32, 804.27. | 0.5 | 0 |
| 21 | Non-covalent forces tune the electron transfer complex between ferredoxin and sulfite reductase to optimize enzymatic activity. Biochemical Journal, 2016, 473, 3837-3854. | 3.7 | 12 |
| 22 | Structural Basis of Cyclic Nucleotide Selectivity in cGMP-dependent Protein Kinase II. Journal of Biological Chemistry, 2016, 291, 5623-5633. | 3.4 | 15 |
| 23 | Grb2 depletion under non-stimulated conditions inhibits PTEN, promotes Akt-induced tumor formation and contributes to poor prognosis in ovarian cancer. Oncogene, 2016, 35, 2186-2196. | 5.9 | 26 |
| 24 | Native and engineered tropism of vectors derived from a rare species D adenovirus serotype 43. Oncotarget, 2016, 7, 53414-53429. | 1.8 | 12 |
| 25 | Anti-apoptotic ARC protein confers chemoresistance by controlling leukemia-microenvironment interactions through a NFÎºB/IL1Î² signaling network. Oncotarget, 2016, 7, 20054-20067. | 1.8 | 32 |
| 26 | A variable DNA recognition site organization establishes the LiaR-mediated cell envelope stress response of enterococci to daptomycin. Nucleic Acids Research, 2015, 43, 4758-4773. | 14.5 | 47 |
| 27 | Potent and selective inhibition of SH3 domains with dirhodium metalloinhibitors. Chemical Science, 2015, 6, 4778-4783. | 7.4 | 22 |
| 28 | HER family kinase domain mutations promote tumor progression and can predict response to treatment in human breast cancer. Molecular Oncology, 2015, 9, 586-600. | 4.6 | 31 |
| 29 | Observed bromodomain flexibility reveals histone peptide- and small molecule ligand-compatible forms of ATAD2. Biochemical Journal, 2015, 466, 337-346. | 3.7 | 34 |
| 30 | Grb2 monomerâ€"dimer equilibrium determines normal versus oncogenic function. Nature Communications, 2015, 6, 7354. | 12.8 | 56 |
| 31 | TH17 cells promote microbial killing and innate immune sensing of DNA via interleukin 26. Nature Immunology, 2015, 16, 970-979. | 14.5 | 182 |
| 32 | A Novel Dual Kinase Function of the RET Proto-oncogene Negatively Regulates Activating Transcription Factor 4-mediated Apoptosis. Journal of Biological Chemistry, 2015, 290, 11749-11761. | 3.4 | 45 |
| 33 | Erythropoietin Stimulates Tumor Growth via EphB4. Cancer Cell, 2015, 28, 610-622. | 16.8 | 94 |
| 34 | 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, 8970-8984. | 6.4 | 32 |
| 35 | PRMT1-mediated methylation of the EGF receptor regulates signaling and cetuximab response. Journal of Clinical Investigation, 2015, 125, 4529-4543. | 8.2 | 114 |
| 36 | Expression pattern of FGFR2, Grb2 and PlcÎ³1 acts as a novel prognostic marker of recurrence recurrence-free survival in lung adenocarcinoma. American Journal of Cancer Research, 2015, 5, 3135-48. | 1.4 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A Requirement for ERK-Dependent Dicer Phosphorylation in Coordinating Oocyte-to-Embryo Transition in C.Âelegans. Developmental Cell, 2014, 31, 614-628. | 7.0 | 63 |
| 38 | Competition between Grb2 and PlcÎ³1 for FGFR2 regulates basal phospholipase activity and invasion. Nature Structural and Molecular Biology, 2014, 21, 180-188. | 8.2 | 54 |
| 39 | Discovery and Characterization of Novel Selective Inhibitors of Carbonic Anhydrase IX. Journal of Medicinal Chemistry, 2014, 57, 9435-9446. | 6.4 | 72 |
| 40 | The toolbox is open, but who should pay for the job?. Nature Reviews Drug Discovery, 2014, 13, 479-480. | 46.4 | 1 |
| 41 | 19F NMR Reveals Multiple Conformations at the Dimer Interface of the Nonstructural Protein 1 Effector Domain from Influenza A Virus. Structure, 2014, 22, 515-525. | 3.3 | 41 |
| 42 | Plakophilin-3 Catenin Associates with the ETV1/ER81 Transcription Factor to Positively Modulate Gene Activity. PLoS ONE, 2014, 9, e86784. | 2.5 | 15 |
| 43 | Pharmacological Inactivation of Skp2 SCF Ubiquitin Ligase Restricts Cancer Stem Cell Traits and Cancer Progression. Cell, 2013, 154, 556-568. | 28.9 | 335 |
| 44 | Grb2 controls phosphorylation of FGFR2 by inhibiting receptor kinase and Shp2 phosphatase activity. Journal of Cell Biology, 2013, 200, 493-504. | 5.2 | 64 |
| 45 | Biophysical characterization of VEGFâ€"aHt DNA aptamer interactions. International Journal of Biological Macromolecules, 2013, 57, 69-75. | 7.5 | 12 |
| 46 | Microscale thermophoresis quantifies biomolecular interactions under previously challenging conditions. Methods, 2013, 59, 301-315. | 3.8 | 501 |
| 47 | Interaction with Shc prevents aberrant Erk activation in the absence of extracellular stimuli. Nature Structural and Molecular Biology, 2013, 20, 620-627. | 8.2 | 23 |
| 48 | CD25 and CD69 induction by Î±4Î²1 outside-in signalling requires TCR early signalling complex proteins. Biochemical Journal, 2013, 454, 109-121. | 3.7 | 7 |
| 49 | SLP-76 Sterile Î± Motif (SAM) and Individual H5 Î± Helix Mediate Oligomer Formation for Microclusters and T-cell Activation. Journal of Biological Chemistry, 2013, 288, 29539-29549. | 3.4 | 20 |
| 50 | Structure and Interactions of the Human Programmed Cell Death 1 Receptor. Journal of Biological Chemistry, 2013, 288, 11771-11785. | 3.4 | 256 |
| 51 | Grb2 controls phosphorylation of FGFR2 by inhibiting receptor kinase and Shp2 phosphatase activity. Journal of General Physiology, 2013, 141, i8-i8. | 1.9 | 0 |
| 52 | Binding with Nucleic Acids or Glycosaminoglycans Converts Soluble Protein Oligomers to Amyloid. Journal of Biological Chemistry, 2012, 287, 736-747. | 3.4 | 49 |
| 53 | Inhibition of Basal FGF Receptor Signaling by Dimeric Grb2. Cell, 2012, 149, 1514-1524. | 28.9 | 140 |
| 54 | Catalytic Protein Modification with Dirhodium Metallopeptides: Specificity in Designed and Natural Systems. Journal of the American Chemical Society, 2012, 134, 10138-10145. | 13.7 | 90 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Probing Cocaine-Antibody Interactions in Buffer and Human Serum. PLoS ONE, 2012, 7, e40518. | 2.5 | 31 |
| 56 | A Landscape of Driver Mutations in Melanoma. Cell, 2012, 150, 251-263. | 28.9 | 2,247 |
| 57 | Noise in cellular signaling pathways: causes and effects. Trends in Biochemical Sciences, 2012, 37, 173-178. | 7.5 | 102 |
| 58 | Biophysical Characterization of Acyl Carrier Protein Domains from a Polyunsaturated Fatty Acid Synthase. FASEB Journal, 2012, 26, 552.2. | 0.5 | 0 |
| 59 | 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. | 1.9 | 8 |
| 60 | Extension of ThermoML: The IUPAC standard for thermodynamic data communications (IUPAC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 | 1.9 | 19 |
| 61 | Catalysis and regulation. Current Opinion in Structural Biology, 2011, 21, 775-776. | 5.7 | 6 |
| 62 | Extent of enthalpyâ€“entropy compensation in proteinâ€“ligand interactions. Protein Science, 2011, 20, 1607-1618. | 7.6 | 143 |
| 63 | Energetics of Src Homology Domain Interactions in Receptor Tyrosine Kinase-Mediated Signaling. Methods in Enzymology, 2011, 488, 147-183. | 1.0 | 38 |
| 64 | Rigid-body Ligand Recognition Drives Cytotoxic T-lymphocyte Antigen 4 (CTLA-4) Receptor Triggering. Journal of Biological Chemistry, 2011, 286, 6685-6696. | 3.4 | 39 |
| 65 | T-cell receptor early signalling complex activation in response to interferon-Î± receptor stimulation. Biochemical Journal, 2010, 428, 429-437. | 3.7 | 10 |
| 66 | Direct binding of Grb2 SH3 domain to FGFR2 regulates SHP2 function. Cellular Signalling, 2010, 22, 23-33. | 3.6 | 34 |
| 67 | T Cell Receptor â€œInside-Outâ€•Pathway via Signaling Module SKAP1-RapL Regulates T Cell Motility and Interactions in Lymph Nodes. Immunity, 2010, 32, 541-556. | 14.3 | 102 |
| 68 | The absence of inorganic salt is required for the crystallization of the complete oligomerization domain ofSalmonella typhimuriumhistone-like nucleoid-structuring protein. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 421-425. | 0.7 | 4 |
| 69 | Adding calorimetric data to decision making in lead discovery: a hot tip. Nature Reviews Drug Discovery, 2010, 9, 23-27. | 46.4 | 354 |
| 70 | 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, 15728-15732. | 7.1 | 165 |
| 71 | ThermoMLâ€"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. | 1.9 | 11 |
| 72 | Calorimetry as a tool for understanding biomolecular interactions and an aid to drug design. Biochemical Society Transactions, 2010, 38, 888-893. | 3.4 | 89 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | A complex of Shc and Ran-GTPase localises to the cell nucleus. Cellular and Molecular Life Sciences, 2009, 66, 711-720. | 5.4 | 10 |
| 74 | Investigation of the selfâ€association and heteroâ€association interactions of Hâ€NS and StpA from Enterobacteria. Molecular Microbiology, 2009, 73, 165-179. | 2.5 | 39 |
| 75 | Effects of Full-Length Borealin on the Composition and Proteinâ^'Protein Interaction Activity of a Binary Chromosomal Passenger Complex. Biochemistry, 2009, 48, 1156-1161. | 2.5 | 6 |
| 76 | 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, 1120-1136. | 4.2 | 14 |
| 77 | Structuralâ€"Thermodynamic Relationships of Interactions in the N-Terminal ATP-Binding Domain of Hsp90. Journal of Molecular Biology, 2009, 392, 923-936. | 4.2 | 19 |
| 78 | Solvation and the hidden thermodynamics of a zinc finger probed by nonstandard repair of a protein crevice. Protein Science, 2009, 13, 3115-3126. | 7.6 | 18 |
| 79 | Structure, dynamics, and binding thermodynamics of the vâ€Src SH2 domain: Implications for drug design. Proteins: Structure, Function and Bioinformatics, 2008, 73, 929-940. | 2.6 | 21 |
| 80 | The binding stoichiometry of CIN85 SH3 domain A and Cbl-b. Nature Structural and Molecular Biology, 2008, 15, 890-891. | 8.2 | 4 |
| 81 | A Phosphorylation-Dependent Gating Mechanism Controls the SH2 Domain Interactions of the Shc Adaptor Protein. Journal of Molecular Biology, 2008, 377, 740-747. | 4.2 | 19 |
| 82 | The Thermodynamics of Proteinâ€"Ligand Interaction and Solvation: Insights for Ligand Design. Journal of Molecular Biology, 2008, 384, 1002-1017. | 4.2 | 281 |
| 83 | Molecular interactions of ASPP1 and ASPP2 with the p53 protein family and the apoptotic promoters PUMA and Bax. Nucleic Acids Research, 2008, 36, 5139-5151. | 14.5 | 49 |
| 84 | Extracellular point mutations in FGFR2 result in elevated ERK1/2 activation and perturbation of neuronal differentiation. Biochemical Journal, 2008, 410, 205-211. | 3.7 | 14 |
| 85 | Extracellular point mutations in FGFR2 elicit unexpected changes in intracellular signalling. Biochemical Journal, 2008, 413, 37-49. | 3.7 | 52 |
| 86 | Indirect recruitment of the signalling adaptor Shc to the fibroblast growth factor receptor 2 (FGFR2). Biochemical Journal, 2008, 416, 189-199. | 3.7 | 18 |
| 87 | Partial filling multiple injection affinity capillary electrophoresis (PFMIACE) to estimate binding constants of receptors to ligands. Talanta, 2007, 71, 192-201. | 5.5 | 21 |
| 88 | Redox-State-Dependent Complex Formation between Pseudoazurin and Nitrite Reductase. Journal of the American Chemical Society, 2007, 129, 226-233. | 13.7 | 15 |
| 89 | Survey of the year 2005: literature on applications of isothermal titration calorimetry. Journal of Molecular Recognition, 2007, 20, 4-14. | 2.1 | 71 |
| 90 | Measurement of the formation of complexes in tyrosine kinase-mediated signal transduction. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 26-31. | 2.5 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | 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, 981-990. | 2.6 | 34 |
| 92 | Application of Isothermal Titration Calorimetry in Exploring the Extended Interface. , 2007, , 231-254. | | 4 |
| 93 | Global Effects of the Energetics of Coenzyme Binding:Â NADPH Controls the Protein Interaction Properties of Human Cytochrome P450 Reductaseâ€. Biochemistry, 2006, 45, 1421-1434. | 2.5 | 46 |
| 94 | Conformational changes in the AAA ATPase p97â€"p47 adaptor complex. EMBO Journal, 2006, 25, 1967-1976. | 7.8 | 95 |
| 95 | Conformational Diversity in the TPR Domain-Mediated Interaction of Protein Phosphatase 5 with Hsp90. Structure, 2006, 14, 415-426. | 3.3 | 80 |
| 96 | Survey of the year 2004: literature on applications of isothermal titration calorimetry. Journal of Molecular Recognition, 2006, 19, 79-89. | 2.1 | 74 |
| 97 | Crystal Structure and Binding Properties of the CD2 and CD244 (2B4)-binding Protein, CD48. Journal of Biological Chemistry, 2006, 281, 29309-29320. | 3.4 | 33 |
| 98 | Thermodynamic Indications of the Molten Globule State of Cytochrome c Induced by Hydrophobic Salts. , 2005, , 215-230. | | 1 |
| 99 | Energetics of Site-Specific DNA Recognition by Integrase Tn916. , 2005, , 187-202. | | 0 |
| 100 | Microcalorimetry as Applied to Psychrophilic Enzymes. , 2005, , 231-240. | | 0 |
| 101 | An Autosampling Differential Scanning Calorimeter for Study of Biomolecular Interactions. , 2005, , 241-251. | | 0 |
| 102 | Energetics of the Interaction of Human Acidic Fibroblast Growth Factor with Heparin and the Functional Analogue Myo-Inositol Hexasulfate. , 2005, , 133-150. | | 0 |
| 103 | Thermodynamics of SH2 Domain Binding. , 2005, , 151-173. | | 0 |
| 104 | Dissecting the Thermodynamics of DNA-Protein Interactions. , 2005, , 81-91. | | 0 |
| 105 | Salt Effects in Ribonuclease-Ligand Interactions: Screening or Competitive Binding?. , 2005, , 93-105. | | 0 |
| 106 | H-NS is a part of a thermally controlled mechanism for bacterial gene regulation. Biochemical Journal, 2005, 391, 203-213. | 3.7 | 137 |
| 107 | Thermodynamics-Structure Correlations of Sulfonamide Inhibitor Binding to Carbonic Anhydrase. , 2005, , 107-132. | | 5 |
| 108 | Linkage between Temperature and Chemical Denaturant Effects on Protein Stability: The Interpretation of Calorimetrically-Determined m Values. , 2005, , 203-214. | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Molecular basis for TPR domain-mediated regulation of protein phosphatase 5. EMBO Journal, 2005, 24, 1-10. | 7.8 | 194 |
| 110 | NMR Assignment of the Apo and Peptide-bound SH2 Domain from the Rous Sarcoma Viral Protein Src. Journal of Biomolecular NMR, 2005, 32, 339-339. | 2.8 | 2 |
| 111 | The Application of Isothermal Titration Calorimetry to Drug Discovery. , 2005, , 59-79. | | 8 |
| 112 | Applications of Biocalorimetry: Binding, Stability and Enzyme Kinetics. , 2005, , 1-34. | | 11 |
| 113 | Titration Calorimetry as a Tool to Determine Thermodynamic and Kinetic Parameters of Enzymes. , 2005, , 175-185. | | 3 |
| 114 | Protein-Protein Recognition in Phosphotyrosine-Mediated Intracellular Signaling. , 2005, , 165-184. | | 10 |
| 115 | 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, 6540-6546. | 14.5 | 13 |
| 116 | Molecular Recognition via Coupled Folding and Binding in a TPR Domain. Journal of Molecular Biology, 2005, 346, 717-732. | 4.2 | 81 |
| 117 | Distinct Spatial and Temporal Distribution of ZAP70 and Lck following Stimulation of Interferon and T-cell Receptors. Journal of Molecular Biology, 2005, 353, 1001-1010. | 4.2 | 13 |
| 118 | INTERACTION OF PORPHYRIN WITH G-QUADRUPLEX STRUCTURES. Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 753-756. | 1.1 | 12 |
| 119 | Isothermal Titration Calorimetry: A Tutorial. , 2005, , 35-58. | | 10 |
| 120 | Application of Isothermal Titration Calorimetry in the Biological Sciences: Things Are Heating Up!. BioTechniques, 2004, 37, 885-887. | 1.8 | 63 |
| 121 | The extended interface: measuring non-local effects in biomolecular interactions. Current Opinion in Structural Biology, 2004, 14, 562-569. | 5.7 | 68 |
| 122 | A survey of the year 2003 literature on applications of isothermal titration calorimetry. Journal of Molecular Recognition, 2004, 17, 513-523. | 2.1 | 69 |
| 123 | Why Zinc Fingers Prefer Zinc:Â Ligand-Field Symmetry and the Hidden Thermodynamics of Metal Ion Selectivityâ€,â€¡. Biochemistry, 2004, 43, 13910-13925. | 2.5 | 50 |
| 124 | Heat Capacity Effects of Water Molecules and Ions at a Proteinâ€“DNA Interface. Journal of Molecular Biology, 2004, 336, 829-842. | 4.2 | 118 |
| 125 | A survey of the year 2002 literature on applications of isothermal titration calorimetry. Journal of Molecular Recognition, 2003, 16, 383-391. | 2.1 | 50 |
| 126 | Specificity Is Complex and Time Consuming: Mutual Exclusivity in Tyrosine Kinase-Mediated Signaling. ChemInform, 2003, 34, no. | 0.0 | 0 |

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|---|---|---|---|
| 127 | Specificity Is Complex and Time Consuming:â€‰ Mutual Exclusivity in Tyrosine Kinase-Mediated Signaling. Accounts of Chemical Research, 2003, 36, 410-416. | 15.6 | 28 |
| 128 | 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, 39735-39746. | 3.4 | 115 |
| 129 | Halophilic adaptation of proteinâ€"DNA interactions. Biochemical Society Transactions, 2003, 31, 677-680. | 3.4 | 39 |
| 130 | Interactions defining the specificity between fungal xylanases and the xylanase-inhibiting protein XIP-I from wheat. Biochemical Journal, 2002, 365, 773-781. | 3.7 | 105 |
| 131 | The Hidden Thermodynamics of a Zinc Finger. Journal of Molecular Biology, 2002, 316, 969-989. | 4.2 | 41 |
| 132 | Metal-dependent Folding and Stability of Nuclear Hormone Receptor DNA-binding Domains. Journal of Molecular Biology, 2002, 319, 87-106. | 4.2 | 41 |
| 133 | H-NS Oligomerization Domain Structure Reveals the Mechanism for High Order Self-association of the Intact Protein. Journal of Molecular Biology, 2002, 324, 841-850. | 4.2 | 123 |
| 134 | Reversal of Halophilicity in a Protein-DNA Interaction by Limited Mutation Strategy. Structure, 2002, 10, 629-637. | 3.3 | 31 |
| 135 | Backbone resonance assignments of the 25kD N-terminal ATPase domain from the Hsp90 chaperone. Journal of Biomolecular NMR, 2002, 23, 327-328. | 2.8 | 19 |
| 136 | Analysis of SH2 Domain â€" Phosphopeptide Interactions by Isothermal Titration Calorimetry and Surface Plasmon Resonance. , 2001, 124, 295-311. | | 3 |
| 137 | Inhibitors to the Src SH2 Domain: A Lesson in Structureâ€"Thermodynamic Correlation in Drug Design. Archives of Biochemistry and Biophysics, 2001, 390, 158-168. | 3.0 | 34 |
| 138 | Structural characterization of the N-terminal oligomerization domain of the bacterial chromatin-structuring protein, H-NS. Journal of Molecular Biology, 2001, 306, 1127-1137. | 4.2 | 37 |
| 139 | Specific DNA Recognition by the Type II Restriction EndonucleaseMunI:Â The Effect of pHâ€. Biochemistry, 2001, 40, 14960-14967. | 2.5 | 19 |
| 140 | Expression of the Oct-1 Transcription Factor and Characterization of Its Interactions with the Bob1 Coactivatorâ€. Biochemistry, 2001, 40, 6580-6588. | 2.5 | 33 |
| 141 | Site-Specific Cation Binding Mediates TATA Binding Proteinâ^'DNA Interaction from a Hyperthermophilic Archaeon. Biochemistry, 2001, 40, 2419-2425. | 2.5 | 51 |
| 142 | Isothermal titration calorimetry: application to structure-based drug design. Thermochimica Acta, 2001, 380, 209-215. | 2.7 | 53 |
| 143 | The Role of the Src Homology 3-Src Homology 2 Interface in the Regulation of Src Kinases. Journal of Biological Chemistry, 2001, 276, 17199-17205. | 3.4 | 79 |
| 144 | Temporally regulated assembly of a dynamic signaling complex associated with the activated TCR. European Journal of Immunology, 2000, 30, 2620-2631. | 2.9 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Drug-DNA recognition: energetics and implications for design. Journal of Molecular Recognition, 2000, 13, 188-197. | 2.1 | 116 |
| 146 | Oligomerization of the chromatin-structuring protein H-NS. Molecular Microbiology, 2000, 36, 962-972. | 2.5 | 112 |
| 147 | Searching for specificity in SH domains. Chemistry and Biology, 2000, 7, R3-R8. | 6.0 | 96 |
| 148 | Localization and characterization of the hyaluronan-binding site on the Link module from human TSG-6. Structure, 2000, 8, 763-774. | 3.3 | 95 |
| 149 | Comparison of binding energies of SrcSH2â€phosphotyrosyl peptides with structureâ€based prediction using surface area based empirical parameterization. Protein Science, 2000, 9, 1975-1985. | 7.6 | 38 |
| 150 | Structural Basis for Recognition of Dipeptides by Peptide Transporters. Archives of Biochemistry and Biophysics, 2000, 384, 9-23. | 3.0 | 34 |
| 151 | Specificity and interactions of the protein OppA: partitioning solvent binding effects using mass spectrometry 1 1Edited by P. E. Wright. Journal of Molecular Biology, 2000, 296, 269-279. | 4.2 | 52 |
| 152 | Characterization of Sequence-Specific DNA Binding by the Transcription Factor Oct-1â€. Biochemistry, 2000, 39, 7570-7579. | 2.5 | 36 |
| 153 | Alternative modes of binding of proteins with tandem SH2 domains. Protein Science, 2000, 9, 570-579. | 7.6 | 31 |
| 154 | Probing the nature of interactions in SH2 binding interfacesâ€"evidence from electrospray ionization mass spectrometry. Protein Science, 1999, 8, 1962-1970. | 7.6 | 34 |
| 155 | Structure of the PH domain from Bruton's tyrosine kinase in complex with inositol 1,3,4,5-tetrakisphosphate. Structure, 1999, 7, 449-460. | 3.3 | 197 |
| 156 | TCR Binding to Peptide-MHC Stabilizes a Flexible Recognition Interface. Immunity, 1999, 10, 357-365. | 14.3 | 293 |
| 157 | Structural Basis for Inhibition of the Hsp90 Molecular Chaperone by the Antitumor Antibiotics Radicicol and Geldanamycin. Journal of Medicinal Chemistry, 1999, 42, 260-266. | 6.4 | 948 |
| 158 | Regulation of Hsp90 ATPase activity by tetratricopeptide repeat (TPR)-domain co-chaperones. EMBO Journal, 1999, 18, 754-762. | 7.8 | 376 |
| 159 | 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, 941-952. | 4.2 | 48 |
| 160 | Crystallographic and Calorimetric Analysis of Peptide Binding to OppA Protein. Journal of Molecular Biology, 1999, 291, 393-415. | 4.2 | 148 |
| 161 | ATP binding and hydrolysis are essential to the function of the Hsp90 molecular chaperone invivo. EMBO Journal, 1998, 17, 4829-4836. | 7.8 | 662 |
| 162 | Mass spectrometric and thermodynamic studies reveal the role of water molecules in complexes formed between SH2 domains and tyrosyl phosphopeptides. Structure, 1998, 6, 1141-1151. | 3.3 | 67 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | 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. | 1.9 | 27 |
| 164 | Probing the â€œTwo-Pronged Plug Two-Holed Socketâ€•Model for the Mechanism of Binding of the Src SH2 Domain to Phosphotyrosyl Peptides:Â A Thermodynamic Studyâ€. Biochemistry, 1998, 37, 9083-9090. | 2.5 | 91 |
| 165 | RT Loop Flexibility Enhances the Specificity of Src Family SH3 Domains for HIV-1 Nefâ€,â€¡. Biochemistry, 1998, 37, 14683-14691. | 2.5 | 120 |
| 166 | The effects of salt on the TATA binding protein-DNA interaction from a hyperthermophilic archaeon 1 1Edited by I. Tinoco. Journal of Molecular Biology, 1998, 279, 117-125. | 4.2 | 119 |
| 167 | Specific binding of hoechst 33258 to the d(CGCAAATTTGCG)2 duplex: calorimetric and spectroscopic studies. Journal of Molecular Biology, 1997, 271, 244-257. | 4.2 | 297 |
| 168 | Identification and Structural Characterization of the ATP/ADP-Binding Site in the Hsp90 Molecular Chaperone. Cell, 1997, 90, 65-75. | 28.9 | 1,203 |
| 169 | Two EGF molecules contribute additively to stabilization of the EGFR dimer. EMBO Journal, 1997, 16, 281-294. | 7.8 | 314 |
| 170 | The high-resolution crystal structure of a 24-kDa gyrase B fragment fromE. coli complexed with one of the most potent coumarin inhibitors, clorobiocin. , 1997, 28, 41-52. | | 133 |
| 171 | The highâ€resolution crystal structure of a 24â€kDa gyrase B fragment from E. coli complexed with one of the most potent coumarin inhibitors, clorobiocin. Proteins: Structure, Function and Bioinformatics, 1997, 28, 41-52. | 2.6 | 5 |
| 172 | Molecular Anchoring of Duplex and Triplex DNA by Disubstituted Anthracene-9,10-diones:Â Calorimetric, UV Melting, and Competition Dialysis Studies. Journal of the American Chemical Society, 1996, 118, 10693-10701. | 13.7 | 53 |
| 173 | Alternative Modes of Tyrosyl Phosphopeptide Binding to a Src Family SH2 Domain:Â Implications for Regulation of Tyrosine Kinase Activityâ€. Biochemistry, 1996, 35, 11062-11069. | 2.5 | 45 |
| 174 | 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, 973-980. | 6.0 | 447 |
| 175 | Water mediated proteinâ€DNA interactions: The relationship of thermodynamics to structural detail. Protein Science, 1996, 5, 2115-2118. | 7.6 | 100 |
| 176 | The role of water in sequence-independent ligand binding by an oligopeptide transporter protein. Nature Structural Biology, 1996, 3, 998-1001. | 9.7 | 119 |
| 177 | Sensing the heat: the application of isothermal titration calorimetry to thermodynamic studies of biomolecular interactions. Chemistry and Biology, 1996, 3, 791-801. | 6.0 | 301 |
| 178 | Counting the calories to stay in the groove. Structure, 1995, 3, 635-639. | 3.3 | 54 |
| 179 | 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, 2148-2152. | 2.5 | 34 |
| 180 | Turning Up the Heat On Rational Drug Design. Bio/technology, 1994, 12, 1083-1085. | 1.5 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Heparin-induced oligomerization of FGF molecules is responsible for FGF receptor dimerization, activation, and cell proliferation. Cell, 1994, 79, 1015-1024. | 28.9 | 667 |
| 182 | A Thermodynamic Study of the trp Repressorâ€"Operator Interaction. Journal of Molecular Biology, 1994, 238, 669-681. | 4.2 | 216 |
| 183 | Thermodynamic effects of reduction of the active-site disulfide of Escherichia coli thioredoxin explored by differential scanning calorimetry. Biochemistry, 1994, 33, 3688-3692. | 2.5 | 40 |
| 184 | The Thermodynamics of Formation of a Three-Strand, DNA Three-Way Junction Complex. Biochemistry, 1994, 33, 6828-6833. | 2.5 | 36 |
| 185 | Thermodynamic Studies of Tyrosyl-Phosphopeptide Binding to the SH2 Domain of p56lck. Biochemistry, 1994, 33, 5070-5076. | 2.5 | 68 |
| 186 | Stability of oxidized Escherichia coli thioredoxin and its dependence on protonation of the aspartic acid residue in the 26 position. Biochemistry, 1993, 32, 7526-7530. | 2.5 | 41 |
| 187 | A ribonuclease S-peptide antagonist discovered with a bacteriophage display library. Gene, 1993, 128, 37-42. | 2.2 | 85 |
| 188 | A differential scanning calorimetric study of the thermal unfolding of mutant forms of phage T4 lysozyme. Biochemistry, 1992, 31, 10699-10702. | 2.5 | 18 |
| 189 | Application of DSC for the measurement of the thermal conductivity of elastomeric materials. Thermochimica Acta, 1990, 169, 39-45. | 2.7 | 10 |