Pétér S Tompa

List of Publications by Year in descending order

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ΡΔΩΤΔΩΡ S ΤΟΜΡΑ

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | DisProt in 2022: improved quality and accessibility of protein intrinsic disorder annotation. Nucleic Acids Research, 2022, 50, D480-D487. | 14.5 | 117 |
| 2 | F/YGG-motif is an intrinsically disordered nucleic-acid binding motif. RNA Biology, 2022, 19, 622-635. | 3.1 | 7 |
| 3 | Degron masking outlines degronons, co-degrading functional modules in the proteome. Communications Biology, 2022, 5, 445. | 4.4 | 7 |
| 4 | "Protein―no longer means what it used to. Current Research in Structural Biology, 2021, 3, 146-152. | 2.2 | 3 |
| 5 | Integration of Data from Liquid–Liquid Phase Separation Databases Highlights Concentration and Dosage Sensitivity of LLPS Drivers. International Journal of Molecular Sciences, 2021, 22, 3017. | 4.1 | 29 |
| 6 | Liquid–Liquid Phase Separation Enhances TDP-43 LCD Aggregation but Delays Seeded Aggregation. Biomolecules, 2021, 11, 548. | 4.0 | 18 |
| 7 | DNAâ€binding domain as the minimal region driving RNAâ€dependent liquid–liquid phase separation of androgen receptor. Protein Science, 2021, 30, 1380-1392. | 7.6 | 21 |
| 8 | Cellular Chaperone Function of Intrinsically Disordered Dehydrin ERD14. International Journal of Molecular Sciences, 2021, 22, 6190. | 4.1 | 11 |
| 9 | Exploring Curated Conformational Ensembles of Intrinsically Disordered Proteins in the Protein Ensemble Database. Current Protocols, 2021, 1, e192. | 2.9 | 4 |
| 10 | The role of ordered cooperative assembly in biomolecular condensates. Nature Reviews Molecular Cell Biology, 2021, 22, 647-648. | 37.0 | 17 |
| 11 | PED in 2021: a major update of the protein ensemble database for intrinsically disordered proteins. Nucleic Acids Research, 2021, 49, D404-D411. | 14.5 | 95 |
| 12 | A generic approach to study the kinetics of liquid–liquid phase separation under near-native conditions. Communications Biology, 2021, 4, 77. | 4.4 | 39 |
| 13 | PhaSePro: the database of proteins driving liquid–liquid phase separation. Nucleic Acids Research, 2020, 48, D360-D367. | 14.5 | 100 |
| 14 | DisProt: intrinsic protein disorder annotation in 2020. Nucleic Acids Research, 2020, 48, D269-D276. | 14.5 | 141 |
| 15 | Dehydrin ERD14 activates glutathione transferase Phi9 in Arabidopsis thaliana under osmotic stress. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129506. | 2.4 | 28 |
| 16 | Interplay of Structural Disorder and Short Binding Elements in the Cellular Chaperone Function of Plant Dehydrin ERD14. Cells, 2020, 9, 1856. | 4.1 | 12 |
| 17 | Chasing coevolutionary signals in intrinsically disordered proteins complexes. Scientific Reports, 2020, 10, 17962. | 3.3 | 7 |
| 18 | Specific Conformational Dynamics and Expansion Underpin a Multi-Step Mechanism for Specific Binding of p27 with Cdk2/Cyclin A. Journal of Molecular Biology, 2020, 432, 2998-3017. | 4.2 | 26 |

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| 19 | WT and A53T α-Synuclein Systems: Melting Diagram and Its New Interpretation. International Journal of Molecular Sciences, 2020, 21, 3997. | 4.1 | 7 |
| 20 | A guide to regulation of the formation of biomolecular condensates. FEBS Journal, 2020, 287, 1924-1935. | 4.7 | 48 |
| 21 | Interaction between the scaffold proteins CBP by IQGAP1 provides an interface between gene expression and cytoskeletal activity. Scientific Reports, 2020, 10, 5753. | 3.3 | 6 |
| 22 | Distance-Based Metrics for Comparing Conformational Ensembles of Intrinsically Disordered Proteins. Biophysical Journal, 2020, 118, 2952-2965. | 0.5 | 17 |
| 23 | Learning of Signaling Networks: Molecular Mechanisms. Trends in Biochemical Sciences, 2020, 45, 284-294. | 7.5 | 29 |
| 24 | Targeting an Intrinsically Disordered Protein by Covalent Modification. Methods in Molecular Biology, 2020, 2141, 835-854. | 0.9 | 1 |
| 25 | Focusing of Microcrystals and Liquid Condensates in Acoustofluidics. Crystals, 2019, 9, 120. | 2.2 | 7 |
| 26 | The Balancing Act of Intrinsically Disordered Proteins: Enabling Functional Diversity while Minimizing Promiscuity. Journal of Molecular Biology, 2019, 431, 1650-1670. | 4.2 | 41 |
| 27 | Emergent functions of proteins in non-stoichiometric supramolecular assemblies. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 970-979. | 2.3 | 49 |
| 28 | Dynamic anticipation by Cdk2/Cyclin A-bound p27 mediates signal integration in cell cycle regulation. Nature Communications, 2019, 10, 1676. | 12.8 | 71 |
| 29 | Spontaneous driving forces give rise to proteinâ^'RNA condensates with coexisting phases and complex material properties. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7889-7898. | 7.1 | 365 |
| 30 | Misprediction of Structural Disorder in Halophiles. Molecules, 2019, 24, 479. | 3.8 | 5 |
| 31 | Does Intrinsic Disorder in Proteins Favor Their Interaction with Lipids?. Proteomics, 2019, 19, e1800098. | 2.2 | 18 |
| 32 | An intrinsically disordered proteins community for ELIXIR. F1000Research, 2019, 8, 1753. | 1.6 | 12 |
| 33 | Calpain Purification Through Calpastatin and Calcium: Strategy and Procedures. Methods in Molecular Biology, 2019, 1929, 233-244. | 0.9 | 1 |
| 34 | Chemical shift assignments of the partially deuterated Fyn SH2–SH3 domain. Biomolecular NMR Assignments, 2018, 12, 117-122. | 0.8 | 0 |
| 35 | In vivo biotinylated calpastatin improves the affinity purification of human m-calpain. Protein Expression and Purification, 2018, 145, 77-84. | 1.3 | 6 |
| 36 | A comprehensive assessment of long intrinsic protein disorder from the DisProt database. Bioinformatics, 2018, 34, 445-452. | 4.1 | 53 |

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| 37 | Protein Phase Separation: A New Phase in Cell Biology. Trends in Cell Biology, 2018, 28, 420-435. | 7.9 | 1,439 |
| 38 | AmyPro: a database of proteins with validated amyloidogenic regions. Nucleic Acids Research, 2018, 46, D387-D392. | 14.5 | 59 |
| 39 | The Melting Diagram of Protein Solutions and Its Thermodynamic Interpretation. International Journal of Molecular Sciences, 2018, 19, 3571. | 4.1 | 5 |
| 40 | Co-Evolution of Intrinsically Disordered Proteins with Folded Partners Witnessed by Evolutionary Couplings. International Journal of Molecular Sciences, 2018, 19, 3315. | 4.1 | 23 |
| 41 | Challenges in the Structural–Functional Characterization of Multidomain, Partially Disordered Proteins CBP and p300: Preparing Native Proteins and Developing Nanobody Tools. Methods in Enzymology, 2018, 611, 607-675. | 1.0 | 7 |
| 42 | Unique Physicochemical Patterns of Residues in Protein–Protein Interfaces. Journal of Chemical Information and Modeling, 2018, 58, 2164-2173. | 5.4 | 7 |
| 43 | Disordered Substrates of the 20S Proteasome Link Degradation with Phase Separation. Proteomics, 2018, 18, e1800276. | 2.2 | 3 |
| 44 | Phasing in on the cell cycle. Cell Division, 2018, 13, 1. | 2.4 | 33 |
| 45 | Quantification of Intrinsically Disordered Proteins: A Problem Not Fully Appreciated. Frontiers in Molecular Biosciences, 2018, 5, 83. | 3.5 | 26 |
| 46 | MobiDB 3.0: more annotations for intrinsic disorder, conformational diversity and interactions in proteins. Nucleic Acids Research, 2018, 46, D471-D476. | 14.5 | 190 |
| 47 | Yeast and Cancer: Common Mechanism Underlying Activation of Ras by Glycolytic Flux. FASEB Journal, 2018, 32, lb143. | 0.5 | 0 |
| 48 | Hydrogen Mobility and Protein–Water Interactions in Proteins in the Solid State. ChemPhysChem, 2017, 18, 677-682. | 2.1 | 11 |
| 49 | 1H, 15N, 13C resonance assignment of plant dehydrin early response to dehydration 10 (ERD10). Biomolecular NMR Assignments, 2017, 11, 127-131. | 0.8 | 3 |
| 50 | Bioinformatics Approaches to the Structure and Function of Intrinsically Disordered Proteins. , 2017, , 167-203. | | 5 |
| 51 | DisProt 7.0: a major update of the database of disordered proteins. Nucleic Acids Research, 2017, 45, D219-D227. | 14.5 | 242 |
| 52 | To be disordered or not to be disordered: is that still a question for proteins in the cell?. Cellular and Molecular Life Sciences, 2017, 74, 3185-3204. | 5.4 | 33 |
| 53 | Phase Separation of C9orf72 Dipeptide Repeats Perturbs Stress Granule Dynamics. Molecular Cell, 2017, 65, 1044-1055.e5. | 9.7 | 437 |
| 54 | Simultaneous quantification of protein order and disorder. Nature Chemical Biology, 2017, 13, 339-342. | 8.0 | 113 |

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| 55 | Linking functions: an additional role for an intrinsically disordered linker domain in the transcriptional coactivator CBP. Scientific Reports, 2017, 7, 4676. | 3.3 | 39 |
| 56 | Phosphorylation of MAP65-1 by Arabidopsis Aurora Kinases Is Required for Efficient Cell Cycle Progression. Plant Physiology, 2017, 173, 582-599. | 4.8 | 44 |
| 57 | Protein Delivery into Plant Cells: Toward In vivo Structural Biology. Frontiers in Plant Science, 2017, 8, 519. | 3.6 | 14 |
| 58 | Affinity purification of human m-calpain through an intrinsically disordered inhibitor, calpastatin. PLoS ONE, 2017, 12, e0174125. | 2.5 | 6 |
| 59 | Arginine-rich Peptides Can Actively Mediate Liquid-liquid Phase Separation. Bio-protocol, 2017, 7, e2525. | 0.4 | 23 |
| 60 | Editorial: Function and Flexibility: Friend or Foe?. Frontiers in Molecular Biosciences, 2016, 3, 31. | 3.5 | 6 |
| 61 | Numerous proteins with unique characteristics are degraded by the 26S proteasome following monoubiquitination. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4639-47. | 7.1 | 127 |
| 62 | Essential functions linked with structural disorder in organisms of minimal genome. Biology Direct, 2016, 11, 45. | 4.6 | 4 |
| 63 | Start2Fold: a database of hydrogen/deuterium exchange data on protein folding and stability. Nucleic Acids Research, 2016, 44, D429-D434. | 14.5 | 28 |
| 64 | Coding Regions of Intrinsic Disorder Accommodate Parallel Functions. Trends in Biochemical Sciences, 2016, 41, 898-906. | 7.5 | 20 |
| 65 | Computational analysis of translational readthrough proteins in Drosophila and yeast reveals parallels to alternative splicing. Scientific Reports, 2016, 6, 32142. | 3.3 | 9 |
| 66 | Three reasons protein disorder analysis makes more sense in the light of collagen. Protein Science, 2016, 25, 1030-1036. | 7.6 | 7 |
| 67 | The principle of conformational signaling. Chemical Society Reviews, 2016, 45, 4252-4284. | 38.1 | 46 |
| 68 | Just a Flexible Linker? The Structural and Dynamic Properties of CBP-ID4 Revealed by NMR Spectroscopy. Biophysical Journal, 2016, 110, 372-381. | 0.5 | 29 |
| 69 | Design Principles Involving Protein Disorder Facilitate Specific Substrate Selection and Degradation by the Ubiquitin-Proteasome System. Journal of Biological Chemistry, 2016, 291, 6723-6731. | 3.4 | 47 |
| 70 | Tripartite degrons confer diversity and specificity on regulated protein degradation in the ubiquitin-proteasome system. Nature Communications, 2016, 7, 10239. | 12.8 | 110 |
| 71 | A Novel Method for Assessing the Chaperone Activity of Proteins. PLoS ONE, 2016, 11, e0161970. | 2.5 | 18 |
| 72 | Wide-line NMR and DSC studies on intrinsically disordered p53 transactivation domain and its helically pre-structured segment. BMB Reports, 2016, 49, 497-501. | 2.4 | 4 |

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| 73 | Computational approaches for inferring the functions of intrinsically disordered proteins. Frontiers in Molecular Biosciences, 2015, 2, 45. | 3.5 | 37 |
| 74 | Functional Advantages of Conserved Intrinsic Disorder in RNA-Binding Proteins. PLoS ONE, 2015, 10, e0139731. | 2.5 | 100 |
| 75 | SnapShot: Intrinsic Structural Disorder. Cell, 2015, 161, 1230-1230.e1. | 28.9 | 16 |
| 76 | DisCons: a novel tool to quantify and classify evolutionary conservation of intrinsic protein disorder. BMC Bioinformatics, 2015, 16, 153. | 2.6 | 23 |
| 77 | The role of structural disorder in cell cycle regulation, related clinical proteomics, disease development and drug targeting. Expert Review of Proteomics, 2015, 12, 221-233. | 3.0 | 14 |
| 78 | Intrinsically disordered proteins: emerging interaction specialists. Current Opinion in Structural Biology, 2015, 35, 49-59. | 5.7 | 177 |
| 79 | Polymer physics of intracellular phase transitions. Nature Physics, 2015, 11, 899-904. | 16.7 | 1,145 |
| 80 | Post-Translational Modification of P27 Regulates Signal Transmission via a Dynamic Interaction with Cdk2/Cyclin. Biophysical Journal, 2015, 108, 193a. | 0.5 | 1 |
| 81 | The Protein Ensemble Database. Advances in Experimental Medicine and Biology, 2015, 870, 335-349. | 1.6 | 23 |
| 82 | Ensemble Methods Enable a New Definition for the Solution to Gas-Phase Transfer of Intrinsically Disordered Proteins. Journal of the American Chemical Society, 2015, 137, 13807-13817. | 13.7 | 44 |
| 83 | Disordered regions in transmembrane proteins. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2839-2848. | 2.6 | 28 |
| 84 | Towards Understanding Protein Disorder In-Cell. Advances in Experimental Medicine and Biology, 2015, 870, 319-334. | 1.6 | 3 |
| 85 | Bioinformatics Approaches for Predicting Disordered Protein Motifs. Advances in Experimental Medicine and Biology, 2015, 870, 291-318. | 1.6 | 23 |
| 86 | Redefining the BH3 Death Domain as a â€~Short Linear Motif'. Trends in Biochemical Sciences, 2015, 40, 736-748. | 7.5 | 57 |
| 87 | pE-DB: a database of structural ensembles of intrinsically disordered and of unfolded proteins. Nucleic Acids Research, 2014, 42, D326-D335. | 14.5 | 195 |
| 88 | Synonymous Constraint Elements Show a Tendency to Encode Intrinsically Disordered Protein Segments. PLoS Computational Biology, 2014, 10, e1003607. | 3.2 | 21 |
| 89 | The DynaMine webserver: predicting protein dynamics from sequence. Nucleic Acids Research, 2014, 42, W264-W270. | 14.5 | 125 |
| 90 | Predicting the Predictive Power of IDP Ensembles. Structure, 2014, 22, 177-178. | 3.3 | 21 |

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| 91 | Introducing Protein Intrinsic Disorder. Chemical Reviews, 2014, 114, 6561-6588. | 47.7 | 628 |
| 92 | Multisteric Regulation by Structural Disorder in Modular Signaling Proteins: An Extension of the Concept of Allostery. Chemical Reviews, 2014, 114, 6715-6732. | 47.7 | 96 |
| 93 | Contribution of proline to the pre-structuring tendency of transient helical secondary structure elements in intrinsically disordered proteins. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 993-1003. | 2.4 | 26 |
| 94 | A Million Peptide Motifs for the Molecular Biologist. Molecular Cell, 2014, 55, 161-169. | 9.7 | 429 |
| 95 | Classification of Intrinsically Disordered Regions and Proteins. Chemical Reviews, 2014, 114, 6589-6631. | 47.7 | 1,618 |
| 96 | Discrete Molecular Dynamics Can Predict Helical Prestructured Motifs in Disordered Proteins. PLoS ONE, 2014, 9, e95795. | 2.5 | 19 |
| 97 | From protein sequence to dynamics and disorder with DynaMine. Nature Communications, 2013, 4, 2741. | 12.8 | 139 |
| 98 | Molecular Mechanism of SSR128129E, an Extracellularly Acting, Small-Molecule, Allosteric Inhibitor of FGF Receptor Signaling. Cancer Cell, 2013, 23, 489-501. | 16.8 | 125 |
| 99 | New mâ€calpain substrateâ€based azapeptide inhibitors. Journal of Peptide Science, 2013, 19, 370-376. | 1.4 | 6 |
| 100 | Intrinsic Structural Disorder in Cytoskeletal Proteins. Cytoskeleton, 2013, 70, 550-571. | 2.0 | 52 |
| 101 | Multiple fuzzy interactions in the moonlighting function of thymosin-β4. Intrinsically Disordered Proteins, 2013, 1, e26204. | 1.9 | 12 |
| 102 | Hydrogel formation by multivalent IDPs: A reincarnation of the microtrabecular lattice?. Intrinsically Disordered Proteins, 2013, 1, e24068. | 1.9 | 9 |
| 103 | Polycation-Ï€ Interactions Are a Driving Force for Molecular Recognition by an Intrinsically Disordered Oncoprotein Family. PLoS Computational Biology, 2013, 9, e1003239. | 3.2 | 57 |
| 104 | What's in a name? Why these proteins are intrinsically disordered. Intrinsically Disordered Proteins, 2013, 1, e24157. | 1.9 | 226 |
| 105 | Structural Disorder Provides Increased Adaptability for Vesicle Trafficking Pathways. PLoS Computational Biology, 2013, 9, e1003144. | 3.2 | 46 |
| 106 | Hydrogen skeleton, mobility and protein architecture. Intrinsically Disordered Proteins, 2013, 1, e25767. | 1.9 | 3 |
| 107 | The alphabet of intrinsic disorder. Intrinsically Disordered Proteins, 2013, 1, e24360. | 1.9 | 208 |
| 108 | Exon-phase symmetry and intrinsic structural disorder promote modular evolution in the human genome. Nucleic Acids Research, 2013, 41, 4409-4422. | 14.5 | 15 |

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| 109 | Structural Characterization of Intrinsically Disordered Proteins by NMR Spectroscopy. Molecules, 2013, 18, 10802-10828. | 3.8 | 146 |
| 110 | Functional Diversity and Structural Disorder in the Human Ubiquitination Pathway. PLoS ONE, 2013, 8, e65443. | 2.5 | 27 |
| 111 | Diverse functional manifestations of intrinsic structural disorder in molecular chaperones. Biochemical Society Transactions, 2012, 40, 963-968. | 3.4 | 34 |
| 112 | Structural Disorder in Eukaryotes. PLoS ONE, 2012, 7, e34687. | 2.5 | 157 |
| 113 | Intrinsically disordered proteins: a 10-year recap. Trends in Biochemical Sciences, 2012, 37, 509-516. | 7.5 | 543 |
| 114 | Structural disorder in proteins brings order to crystal growth in biomineralization. Bone, 2012, 51, 528-534. | 2.9 | 107 |
| 115 | On the supertertiary structure of proteins. Nature Chemical Biology, 2012, 8, 597-600. | 8.0 | 66 |
| 116 | Fuzzy Complexes: A More Stochastic View of Protein Function. Advances in Experimental Medicine and Biology, 2012, 725, 1-14. | 1.6 | 183 |
| 117 | Long-Range Interactions in Nonsense-Mediated mRNA Decay Are Mediated by Intrinsically Disordered Protein Regions. Journal of Molecular Biology, 2012, 424, 125-131. | 4.2 | 7 |
| 118 | Increased structural disorder of proteins encoded on human sex chromosomes. Molecular BioSystems, 2012, 8, 229-236. | 2.9 | 22 |
| 119 | Intrinsic disorder in cell signaling and gene transcription. Molecular and Cellular Endocrinology, 2012, 348, 457-465. | 3.2 | 101 |
| 120 | Unstructural biology coming of age. Current Opinion in Structural Biology, 2011, 21, 419-425. | 5.7 | 277 |
| 121 | Full backbone assignment and dynamics of the intrinsically disordered dehydrin ERD14. Biomolecular NMR Assignments, 2011, 5, 189-193. | 0.8 | 36 |
| 122 | The Levinthal paradox of the interactome. Protein Science, 2011, 20, 2074-2079. | 7.6 | 30 |
| 123 | Structural Flexibility Allows the Functional Diversity of Potyvirus Genome-Linked Protein VPg. Journal of Virology, 2011, 85, 2449-2457. | 3.4 | 67 |
| 124 | Verification of alternative splicing variants based on domain integrity, truncation length and intrinsic protein disorder. Nucleic Acids Research, 2011, 39, 1208-1219. | 14.5 | 46 |
| 125 | Accessory proteins in signal transduction: scaffold proteins and beyond. FEBS Journal, 2010, 277, 4347-4347. | 4.7 | 6 |
| 126 | Functional classification of scaffold proteins and related molecules. FEBS Journal, 2010, 277, 4348-4355. | 4.7 | 70 |

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| 127 | Reduction in Structural Disorder and Functional Complexity in the Thermal Adaptation of Prokaryotes. PLoS ONE, 2010, 5, e12069. | 2.5 | 69 |
| 128 | Dual coding in alternative reading frames correlates with intrinsic protein disorder. Proceedings of the United States of America, 2010, 107, 5429-5434. | 7.1 | 92 |
| 129 | Power Law Distribution Defines Structural Disorder as a Structural Element Directly Linked with Function. Journal of Molecular Biology, 2010, 403, 346-350. | 4.2 | 29 |
| 130 | Intrinsically disordered chaperones in plants and animalsThis paper is one of a selection of papers published in this special issue entitled "Canadian Society of Biochemistry, Molecular & Cellular Biology 52nd Annual Meeting — Protein Folding: Principles and Diseases―and has undergone the Journal's usual peer review process Biochemistry and Cell Biology, 2010, 88, 167-174. | 2.0 | 125 |
| 131 | Intrinsic Structural Disorder Confers Cellular Viability on Oncogenic Fusion Proteins. PLoS Computational Biology, 2009, 5, e1000552. | 3.2 | 74 |
| 132 | The androgen receptor gene polyglycine repeat polymorphism is associated with memory performance in healthy Chinese individuals. Psychoneuroendocrinology, 2009, 34, 947-952. | 2.7 | 10 |
| 133 | Fuzzy interactome: the limitations of models in molecular biology. Trends in Biochemical Sciences, 2009, 34, 3. | 7.5 | 11 |
| 134 | Janus chaperones: Assistance of both RNA―and proteinâ€folding by ribosomal proteins. FEBS Letters, 2009, 583, 88-92. | 2.8 | 41 |
| 135 | Cold stability of intrinsically disordered proteins. FEBS Letters, 2009, 583, 465-469. | 2.8 | 50 |
| 136 | Close encounters of the third kind: disordered domains and the interactions of proteins. BioEssays, 2009, 31, 328-335. | 2.5 | 229 |
| 137 | High levels of structural disorder in scaffold proteins as exemplified by a novel neuronal protein, CASKâ€interactive protein1. FEBS Journal, 2009, 276, 3744-3756. | 4.7 | 65 |
| 138 | Interfacial Water at Protein Surfaces: Wide-Line NMR and DSC Characterization of Hydration in Ubiquitin Solutions. Biophysical Journal, 2009, 96, 2789-2798. | 0.5 | 42 |
| 139 | Binding-induced folding transitions in calpastatin subdomains A and C. Protein Science, 2009, 12, 2327-2336. | 7.6 | 32 |
| 140 | Malleable machines take shape in eukaryotic transcriptional regulation. Nature Chemical Biology, 2008, 4, 728-737. | 8.0 | 192 |
| 141 | Calciumâ€induced tripartite binding of intrinsically disordered calpastatin to its cognate enzyme, calpain. FEBS Letters, 2008, 582, 2149-2154. | 2.8 | 29 |
| 142 | Fuzzy complexes: polymorphism and structural disorder in protein–protein interactions. Trends in Biochemical Sciences, 2008, 33, 2-8. | 7.5 | 942 |
| 143 | Structural and Dynamic Characterization of Intrinsically Disordered Human Securin by NMR Spectroscopy. Journal of the American Chemical Society, 2008, 130, 16873-16879. | 13.7 | 67 |
| 144 | Intrinsic Structural Disorder of DF31, a <i>Drosophila</i> Protein of Chromatin Decondensation and Remodeling Activities. Journal of Proteome Research, 2008, 7, 2291-2299. | 3.7 | 18 |

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| 145 | Chaperone Activity of ERD10 and ERD14, Two Disordered Stress-Related Plant Proteins. Plant Physiology, 2008, 147, 381-390. | 4.8 | 373 |
| 146 | Disordered plant LEA proteins as molecular chaperones. Plant Signaling and Behavior, 2008, 3, 710-713. | 2.4 | 65 |
| 147 | Intrinsically Disordered Proteins Display No Preference for Chaperone Binding In Vivo. PLoS Computational Biology, 2008, 4, e1000017. | 3.2 | 48 |
| 148 | Prediction of Protein Disorder at the Domain Level. Current Protein and Peptide Science, 2007, 8, 161-171. | 1.4 | 71 |
| 149 | Towards Proteomic Approaches for the Identification of Structural Disorder. Current Protein and Peptide Science, 2007, 8, 173-179. | 1.4 | 20 |
| 150 | Local structural disorder imparts plasticity on linear motifs. Bioinformatics, 2007, 23, 950-956. | 4.1 | 376 |
| 151 | Molecular Principles of the Interactions of Disordered Proteins. Journal of Molecular Biology, 2007, 372, 549-561. | 4.2 | 242 |
| 152 | DisProt: the Database of Disordered Proteins. Nucleic Acids Research, 2007, 35, D786-D793. | 14.5 | 711 |
| 153 | Synthesis of Cell-Penetrating Conjugates of Calpain Activator Peptides. Bioconjugate Chemistry, 2007, 18, 130-137. | 3.6 | 17 |
| 154 | Structural disorder promotes assembly of protein complexes. BMC Structural Biology, 2007, 7, 65. | 2.3 | 96 |
| 155 | Disorder and Sequence Repeats in Hub Proteins and Their Implications for Network Evolution. Journal of Proteome Research, 2006, 5, 2985-2995. | 3.7 | 312 |
| 156 | Prevalent Structural Disorder inE.coliandS.cerevisiaeProteomes. Journal of Proteome Research, 2006, 5, 1996-2000. | 3.7 | 119 |
| 157 | CG15031/PPYR1 is an intrinsically unstructured protein that interacts with protein phosphatase Y. Archives of Biochemistry and Biophysics, 2006, 451, 59-67. | 3.0 | 10 |
| 158 | Phosphorylation-induced transient intrinsic structure in the kinase-inducible domain of CREB facilitates its recognition by the KIX domain of CBP. Proteins: Structure, Function and Bioinformatics, 2006, 64, 749-757. | 2.6 | 31 |
| 159 | A Novel Two-dimensional Electrophoresis Technique for the Identification of Intrinsically Unstructured Proteins. Molecular and Cellular Proteomics, 2006, 5, 265-273. | 3.8 | 65 |
| 160 | Structural disorder throws new light on moonlighting. Trends in Biochemical Sciences, 2005, 30, 484-489. | 7.5 | 430 |
| 161 | IUPred: web server for the prediction of intrinsically unstructured regions of proteins based on estimated energy content. Bioinformatics, 2005, 21, 3433-3434. | 4.1 | 1,832 |
| 162 | Primary Contact Sites in Intrinsically Unstructured Proteins: The Case of Calpastatin and Microtubule-Associated Protein 2â€. Biochemistry, 2005, 44, 3955-3964. | 2.5 | 97 |

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| 163 | The Pairwise Energy Content Estimated from Amino Acid Composition Discriminates between Folded and Intrinsically Unstructured Proteins. Journal of Molecular Biology, 2005, 347, 827-839. | 4.2 | 911 |
| 164 | The interplay between structure and function in intrinsically unstructured proteins. FEBS Letters, 2005, 579, 3346-3354. | 2.8 | 634 |
| 165 | NMR Relaxation Studies on the Hydrate Layer of Intrinsically Unstructured Proteins. Biophysical Journal, 2005, 88, 2030-2037. | 0.5 | 89 |
| 166 | The role of structural disorder in the function of RNA and protein chaperones. FASEB Journal, 2004, 18, 1169-1175. | 0.5 | 496 |
| 167 | On the Sequential Determinants of Calpain Cleavage. Journal of Biological Chemistry, 2004, 279, 20775-20785. | 3.4 | 279 |
| 168 | Contribution of Distinct Structural Elements to Activation of Calpain by Ca2+ lons. Journal of Biological Chemistry, 2004, 279, 20118-20126. | 3.4 | 24 |
| 169 | Differential distribution of calpain small subunit 1 and 2 in rat brain. European Journal of Neuroscience, 2004, 19, 1819-1825. | 2.6 | 10 |
| 170 | Calpain as a multi-site regulator of cell cycle. Biochemical Pharmacology, 2004, 67, 1513-1521. | 4.4 | 47 |
| 171 | The calpain-system ofDrosophila melanogaster: coming of age. BioEssays, 2004, 26, 1088-1096. | 2.5 | 32 |
| 172 | Preformed Structural Elements Feature in Partner Recognition by Intrinsically Unstructured Proteins. Journal of Molecular Biology, 2004, 338, 1015-1026. | 4.2 | 494 |
| 173 | Intrinsically unstructured proteins evolve by repeat expansion. BioEssays, 2003, 25, 847-855. | 2.5 | 247 |
| 174 | Molecular cloning and RNA expression of a novel Drosophila calpain, Calpain C. Biochemical and Biophysical Research Communications, 2003, 303, 343-349. | 2.1 | 15 |
| 175 | Calpastatin Subdomains A and C Are Activators of Calpain. Journal of Biological Chemistry, 2002, 277, 9022-9026. | 3.4 | 50 |
| 176 | The Role of Dimerization in Prion Replication. Biophysical Journal, 2002, 82, 1711-1718. | 0.5 | 51 |
| 177 | Intrinsically unstructured proteins. Trends in Biochemical Sciences, 2002, 27, 527-533. | 7.5 | 1,868 |
| 178 | Domain III of Calpain Is a Ca2+-Regulated Phospholipid-Binding Domain. Biochemical and Biophysical Research Communications, 2001, 280, 1333-1339. | 2.1 | 147 |
| 179 | Synaptic metaplasticity and the local charge effect in postsynaptic densities. Trends in Neurosciences, 1998, 21, 97-102. | 8.6 | 20 |
| 180 | Phosphorylation and Dephosphorylation in the Proline-Rich C-Terminal Domain of Microtubule-Associated Protein 2. FEBS Journal, 1996, 241, 765-771. | 0.2 | 51 |

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