# Vladimir N Uversky

List of Publications by Year
in descending order

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| 990 | 81,516 | 419 132 | 693 253 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 1452 | 1452 | 1452 | 54637 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222. | 9.1 | 4,701 |
| 2 | Why are ?natively unfolded? proteins unstructured under physiologic conditions?. Proteins: Structure, Function and Bioinformatics, 2000, 41, 415-427. | 2.6 | 1,931 |
| 3 | Natively unfolded proteins: A point where biology waits for physics. Protein Science, 2002, 11, 739-756. | 7.6 | 1,650 |
| 4 | Classification of Intrinsically Disordered Regions and Proteins. Chemical Reviews, 2014, 114, 6589-6631. | 47.7 | 1,618 |
| 5 | Study of the ?molten globule? intermediate state in protein folding by a hydrophobic fluorescent probe. Biopolymers, 1991, 31, 119-128. | 2.4 | 1,264 |
| 6 | Intrinsically Disordered Proteins in Human Diseases: Introducing the D<sup>2</sup>Concept. Annual Review of Biophysics, 2008, 37, 215-246. | 10.0 | 1,222 |
| 7 | Effect of Environmental Factors on the Kinetics of Insulin Fibril Formation:â€‰ Elucidation of the Molecular Mechanism. Biochemistry, 2001, 40, 6036-6046. | 2.5 | 1,077 |
| 8 | Flexible nets. The roles of intrinsic disorder in protein interaction networks. FEBS Journal, 2005, 272, 5129-5148. | 4.7 | 1,052 |
| 9 | Understanding protein non-folding. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1231-1264. | 2.3 | 1,030 |
| 10 | PONDR-FIT: A meta-predictor of intrinsically disordered amino acids. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 996-1010. | 2.3 | 993 |
| 11 | Evidence for a Partially Folded Intermediate in Î±-Synuclein Fibril Formation. Journal of Biological Chemistry, 2001, 276, 10737-10744. | 3.4 | 955 |
| 12 | Metal-triggered Structural Transformations, Aggregation, and Fibrillation of Human Î±-Synuclein. Journal of Biological Chemistry, 2001, 276, 44284-44296. | 3.4 | 953 |
| 13 | Conformational constraints for amyloid fibrillation: the importance of being unfolded. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2004, 1698, 131-153. | 2.3 | 887 |
| 14 | What does it mean to be natively unfolded?. FEBS Journal, 2002, 269, 2-12. | 0.2 | 865 |
| 15 | Function and structure of inherently disordered proteins. Current Opinion in Structural Biology, 2008, 18, 756-764. | 5.7 | 864 |
| 16 | Showing your ID: intrinsic disorder as an ID for recognition, regulation and cell signaling. Journal of Molecular Recognition, 2005, 18, 343-384. | 2.1 | 762 |
| 17 | DisProt: the Database of Disordered Proteins. Nucleic Acids Research, 2007, 35, D786-D793. | 14.5 | 711 |
| 18 | Analysis of Molecular Recognition Features (MoRFs). Journal of Molecular Biology, 2006, 362, 1043-1059. | 4.2 | 672 |

| # | Article | IF | Citations |
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| 19 | Intrinsic Disorder in Transcription Factors. Biochemistry, 2006, 45, 6873-6888. | 2.5 | 654 |
| 20 | Intrinsic Disorder and Functional Proteomics. Biophysical Journal, 2007, 92, 1439-1456. | 0.5 | 643 |
| 21 | Introducing Protein Intrinsic Disorder. Chemical Reviews, 2014, 114, 6561-6588. | 47.7 | 628 |
| 22 | Coupled Folding and Binding with Î±-Helix-Forming Molecular Recognition Elementsâ€. Biochemistry, 2005, 44, 12454-12470. | 2.5 | 593 |
| 23 | D2P2: database of disordered protein predictions. Nucleic Acids Research, 2012, 41, D508-D516. | 14.5 | 570 |
| 24 | The Herbicide Paraquat Causes Up-regulation and Aggregation of Î±-Synuclein in Mice. Journal of Biological Chemistry, 2002, 277, 1641-1644. | 3.4 | 566 |
| 25 | Î±-Synuclein misfolding and Parkinson's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 261-285. | 3.8 | 526 |
| 26 | Functional Anthology of Intrinsic Disorder. 1. Biological Processes and Functions of Proteins with Long Disordered Regions. Journal of Proteome Research, 2007, 6, 1882-1898. | 3.7 | 525 |
| 27 | Intrinsically disordered proteins in overcrowded milieu: Membrane-less organelles, phase separation, and intrinsic disorder. Current Opinion in Structural Biology, 2017, 44, 18-30. | 5.7 | 515 |
| 28 | Intrinsic Disorder Is a Common Feature of Hub Proteins from Four Eukaryotic Interactomes. PLoS Computational Biology, 2006, 2, e100. | 3.2 | 512 |
| 29 | Comparing and Combining Predictors of Mostly Disordered Proteins. Biochemistry, 2005, 44, 1989-2000. | 2.5 | 485 |
| 30 | The unfoldomics decade: an update on intrinsically disordered proteins. BMC Genomics, 2008, 9, S1. | 2.8 | 485 |
| 31 | Effect of Familial Parkinson's Disease Point Mutations A30P and A53T on the Structural Properties, Aggregation, and Fibrillation of Human Î±-Synuclein. Biochemistry, 2001, 40, 11604-11613. | 2.5 | 482 |
| 32 | Flexible nets: disorder and induced fit in the associations of p53 and 14-3-3 with their partners. BMC Genomics, 2008, 9, S1. | 2.8 | 482 |
| 33 | Neuropathology, biochemistry, and biophysics of Î±â€synuclein aggregation. Journal of Neurochemistry, 2007, 103, 17-37. | 3.9 | 471 |
| 34 | Orderly order in protein intrinsic disorder distribution: disorder in 3500 proteomes from viruses and the three domains of life. Journal of Biomolecular Structure and Dynamics, 2012, 30, 137-149. | 3.5 | 465 |
| 35 | Use of fast protein size-exclusion liquid chromatography to study the unfolding of proteins which denature through the molten globule. Biochemistry, 1993, 32, 13288-13298. | 2.5 | 462 |
| 36 | Unusual biophysics of intrinsically disordered proteins. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 932-951. | 2.3 | 459 |

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| 37 | A Protein-Chameleon: Conformational Plasticity of Î±-Synuclein, a Disordered Protein Involved in Neurodegenerative Disorders. Journal of Biomolecular Structure and Dynamics, 2003, 21, 211-234. | 3.5 | 450 |
| 38 | Disorder in the nuclear pore complex: The FG repeat regions of nucleoporins are natively unfolded. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2450-2455. | 7.1 | 444 |
| 39 | Characterization of Molecular Recognition Features, MoRFs, and Their Binding Partners. Journal of Proteome Research, 2007, 6, 2351-2366. | 3.7 | 433 |
| 40 | Alternative splicing in concert with protein intrinsic disorder enables increased functional diversity in multicellular organisms. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8390-8395. | 7.1 | 428 |
| 41 | What Macromolecular Crowding Can Do to a Protein. International Journal of Molecular Sciences, 2014, 15, 23090-23140. | 4.1 | 425 |
| 42 | A decade and a half of protein intrinsic disorder: Biology still waits for physics. Protein Science, 2013, 22, 693-724. | 7.6 | 415 |
| 43 | Biophysical Properties of the Synucleins and Their Propensities to Fibrillate. Journal of Biological Chemistry, 2002, 277, 11970-11978. | 3.4 | 413 |
| 44 | Predicting intrinsic disorder in proteins: an overview. Cell Research, 2009, 19, 929-949. | 12.0 | 389 |
| 45 | Assessing protein disorder and induced folding. Proteins: Structure, Function and Bioinformatics, 2005, 62, 24-45. | 2.6 | 388 |
| 46 | Intrinsically disordered proteins from A to Z. International Journal of Biochemistry and Cell Biology, 2011, 43, 1090-1103. | 2.8 | 372 |
| 47 | Functional Anthology of Intrinsic Disorder. 3. Ligands, Post-Translational Modifications, and Diseases Associated with Intrinsically Disordered Proteins. Journal of Proteome Research, 2007, 6, 1917-1932. | 3.7 | 369 |
| 48 | TOP-IDP-Scale: A New Amino Acid Scale Measuring Propensity for Intrinsic Disorder. Protein and Peptide Letters, 2008, 15, 956-963. | 0.9 | 361 |
| 49 | Intrinsically Disordered Proteins and Their â€œMysteriousâ€•(Meta)Physics. Frontiers in Physics, 2019, 7, . | 2.1 | 352 |
| 50 | Composition Profiler: a tool for discovery and visualization of amino acid composition differences. BMC Bioinformatics, 2007, 8, 211. | 2.6 | 350 |
| 51 | Heparin and Other Glycosaminoglycans Stimulate the Formation of Amyloid Fibrils from Î±-Synuclein in Vitro. Biochemistry, 2002, 41, 1502-1511. | 2.5 | 322 |
| 52 | Pesticides directly accelerate the rate of Î±-synuclein fibril formation: a possible factor in Parkinson's disease. FEBS Letters, 2001, 500, 105-108. | 2.8 | 314 |
| 53 | Exceptionally abundant exceptions: comprehensive characterization of intrinsic disorder in all domains of life. Cellular and Molecular Life Sciences, 2015, 72, 137-151. | 5.4 | 314 |
| 54 | Probing the Mechanism of Insulin Fibril Formation with Insulin Mutantsâ€. Biochemistry, 2001, 40, 8397-8409. | 2.5 | 313 |

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| 55 | MoRFpred, a computational tool for sequence-based prediction and characterization of short disorder-to-order transitioning binding regions in proteins. Bioinformatics, 2012, 28, i75-i83. | 4.1 | 311 |
| 56 | Intrinsically Disordered Proteins and Their Environment: Effects of Strong Denaturants, Temperature, pH, Counter Ions, Membranes, Binding Partners, Osmolytes, and Macromolecular Crowding. Protein Journal, 2009, 28, 305-325. | 1.6 | 303 |
| 57 | Mining Î±-Helix-Forming Molecular Recognition Features with Cross Species Sequence Alignments. Biochemistry, 2007, 46, 13468-13477. | 2.5 | 300 |
| 58 | Thioflavin T as a Molecular Rotor: Fluorescent Properties of Thioflavin T in Solvents with Different Viscosity. Journal of Physical Chemistry B, 2008, 112, 15893-15902. | 2.6 | 300 |
| 59 | Nuclear Localization of Î±-Synuclein and Its Interaction with Histonesâ€. Biochemistry, 2003, 42, 8465-8471. | 2.5 | 299 |
| 60 | Protein folding revisited. A polypeptide chain at the folding ? misfolding ? nonfolding cross-roads: which way to go?. Cellular and Molecular Life Sciences, 2003, 60, 1852-1871. | 5.4 | 296 |
| 61 | Biophysics of Parkinsons Disease: Structure and Aggregation of α- Synuclein. Current Protein and Peptide Science, 2009, 10, 483-499. | 1.4 | 292 |
| 62 | A Bimodal Distribution of Two Distinct Categories of Intrinsically Disordered Structures with Separate Functions in FG Nucleoporins. Molecular and Cellular Proteomics, 2010, 9, 2205-2224. | 3.8 | 289 |
| 63 | The structural and functional signatures of proteins that undergo multiple events of postâ€translational modification. Protein Science, 2014, 23, 1077-1093. | 7.6 | 287 |
| 64 | The effect of macromolecular crowding on protein aggregation and amyloid fibril formation. Journal of Molecular Recognition, 2004, 17, 456-464. | 2.1 | 286 |
| 65 | Is Congo Red an Amyloid-specific Dye?. Journal of Biological Chemistry, 2001, 276, 22715-22721. | 3.4 | 280 |
| 66 | "Domain" Coil-Globule Transition in Homopolymers. Macromolecules, 1995, 28, 7519-7524. | 4.8 | 278 |
| 67 | Neurotoxicant-induced animal models of Parkinson?s disease: understanding the role of rotenone, maneb and paraquat in neurodegeneration. Cell and Tissue Research, 2004, 318, 225-241. | 2.9 | 266 |
| 68 | Intrinsic disorder in scaffold proteins: Getting more from less. Progress in Biophysics and Molecular Biology, 2008, 98, 85-106. | 2.9 | 259 |
| 69 | Accelerated Î±-synuclein fibrillation in crowded milieu. FEBS Letters, 2002, 515, 99-103. | 2.8 | 255 |
| 70 | Accelerated neurodegeneration through chaperone-mediated oligomerization of tau. Journal of Clinical Investigation, 2013, 123, 4158-4169. | 8.2 | 246 |
| 71 | Conformational Behavior and Aggregation of Î±-Synuclein in Organic Solvents:Â Modeling the Effects of Membranesâ€. Biochemistry, 2003, 42, 2720-2730. | 2.5 | 244 |
| 72 | Functional Anthology of Intrinsic Disorder. 2. Cellular Components, Domains, Technical Terms, Developmental Processes, and Coding Sequence Diversities Correlated with Long Disordered Regions. Journal of Proteome Research, 2007, 6, 1899-1916. | 3.7 | 244 |

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| 73 | DisProt 7.0: a major update of the database of disordered proteins. Nucleic Acids Research, 2017, 45, D219-D227. | 14.5 | 242 |
| 74 | Early Events in the Fibrillation of Monomeric Insulin. Journal of Biological Chemistry, 2005, 280, 42669-42675. | 3.4 | 237 |
| 75 | Unfoldomics of human diseases: linking protein intrinsic disorder with diseases. BMC Genomics, 2009, 10, S7. | 2.8 | 236 |
| 76 | Intrinsic Disorder-based Protein Interactions and their Modulators. Current Pharmaceutical Design, 2013, 19, 4191-4213. | 1.9 | 231 |
| 77 | Pathological Unfoldomics of Uncontrolled Chaos: Intrinsically Disordered Proteins and Human Diseases. Chemical Reviews, 2014, 114, 6844-6879. | 47.7 | 231 |
| 78 | Do viral proteins possess unique biophysical features?. Trends in Biochemical Sciences, 2009, 34, 53-59. | 7.5 | 229 |
| 79 | Close encounters of the third kind: disordered domains and the interactions of proteins. BioEssays, 2009, 31, 328-335. | 2.5 | 229 |
| 80 | Multitude of binding modes attainable by intrinsically disordered proteins: a portrait gallery of disorder-based complexes. Chemical Society Reviews, 2011, 40, 1623-1634. | 38.1 | 226 |
| 81 | Whatâ€™s in a name? Why these proteins are intrinsically disordered. Intrinsically Disordered Proteins, 2013, 1, e24157. | 1.9 | 226 |
| 82 | Rational drug design via intrinsically disordered protein. Trends in Biotechnology, 2006, 24, 435-442. | 9.3 | 225 |
| 83 | Molten Globule-Like State of Cytochrome c under Conditions Simulating Those Near the Membrane Surface. Biochemistry, 1996, 35, 6058-6063. | 2.5 | 217 |
| 84 | Methionine oxidation inhibits fibrillation of human Î±-synuclein in vitro. FEBS Letters, 2002, 517, 239-244. | 2.8 | 213 |
| 85 | Conformational Prerequisites for Î±-Lactalbumin Fibrillationâ€. Biochemistry, 2002, 41, 12546-12551. | 2.5 | 211 |
| 86 | Distinct Î²-Sheet Structure in Protein Aggregates Determined by ATRâ€“FTIR Spectroscopy. Biochemistry, 2013, 52, 5176-5183. | 2.5 | 210 |
| 87 | The alphabet of intrinsic disorder. Intrinsically Disordered Proteins, 2013, 1, e24360. | 1.9 | 208 |
| 88 | Further Evidence on the Equilibrium â€œPre-molten Globule Stateâ€• Four-state Guanidinium Chloride-induced Unfolding of Carbonic Anhydrase B at Low Temperature. Journal of Molecular Biology, 1996, 255, 215-228. | 4.2 | 206 |
| 89 | Partially Folded Intermediates in Insulin Fibrillation. Biochemistry, 2003, 42, 11404-11416. | 2.5 | 206 |
| 90 | The Mysterious Unfoldome: Structureless, Underappreciated, Yet Vital Part of Any Given Proteome. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-14. | 3.0 | 206 |

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| 91 | Role of Proteinâ^'Water Interactions and Electrostatics in Î±-Synuclein Fibril Formationâ€. Biochemistry, 2004, 43, 3289-3300. | 2.5 | 204 |
| 92 | Intrinsically disordered proteins as crucial constituents of cellular aqueous two phase systems and coacervates. FEBS Letters, 2015, 589, 15-22. | 2.8 | 203 |
| 93 | Rifampicin Inhibits Î±-Synuclein Fibrillation and Disaggregates Fibrils. Chemistry and Biology, 2004, 11, 1513-1521. | 6.0 | 202 |
| 94 | Intrinsic disorder in proteins associated with neurodegenerative diseases. Frontiers in Bioscience - Landmark, 2009, 14, 5188. | 3.0 | 201 |
| 95 | "Partly Folded" State, a New Equilibrium State of Protein Molecules: Four-State Guanidinium Chloride-Induced Unfolding of .beta.-Lactamase at Low Temperature. Biochemistry, 1994, 33, 2782-2791. | 2.5 | 196 |
| 96 | pE-DB: a database of structural ensembles of intrinsically disordered and of unfolded proteins. Nucleic Acids Research, 2014, 42, D326-D335. | 14.5 | 195 |
| 97 | Malleable machines take shape in eukaryotic transcriptional regulation. Nature Chemical Biology, 2008, 4, 728-737. | 8.0 | 192 |
| 98 | Intrinsic Disorder and Posttranslational Modifications: The Darker Side of the Biological Dark Matter. Frontiers in Genetics, 2018, 9, 158. | 2.3 | 190 |
| 99 | Spectral Properties of Thioflavin T in Solvents with Different Dielectric Properties and in a Fibril-Incorporated Form. Journal of Proteome Research, 2007, 6, 1392-1401. | 3.7 | 187 |
| 100 | Synergistic Effects of Pesticides and Metals on the Fibrillation of Î±-Synuclein: Implications for Parkinsonâ€™s Disease. NeuroToxicology, 2002, 23, 527-536. | 3.0 | 183 |
| 101 | The protein kingdom extended: Ordered and intrinsically disordered proteins, their folding, supramolecular complex formation, and aggregation. Progress in Biophysics and Molecular Biology, 2010, 102, 73-84. | 2.9 | 181 |
| 102 | Structural Disorder in Viral Proteins. Chemical Reviews, 2014, 114, 6880-6911. | 47.7 | 181 |
| 103 | Abundance of Intrinsic Disorder in Protein Associated with Cardiovascular Disease. Biochemistry, 2006, 45, 10448-10460. | 2.5 | 179 |
| 104 | Mysterious oligomerization of the amyloidogenic proteins. FEBS Journal, 2010, 277, 2940-2953. | 4.7 | 178 |
| 105 | Structural Characteristics of Î±-Synuclein Oligomers Stabilized by the Flavonoid Baicalein. Journal of Molecular Biology, 2008, 383, 214-223. | 4.2 | 177 |
| 106 | α-Synuclein Misfolding and Neurodegenerative Diseases. Current Protein and Peptide Science, 2008, 9, 507-540. | 1.4 | 177 |
| 107 | Trimethylamine-N -oxide-induced folding of Î±-synuclein. FEBS Letters, 2001, 509, 31-35. | 2.8 | 175 |
| 108 | Protein intrinsic disorder-based liquidâ€“liquid phase transitions in biological systems: Complex coacervates and membrane-less organelles. Advances in Colloid and Interface Science, 2017, 239, 97-114. | 14.7 | 174 |

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| 109 | Certain Metals Trigger Fibrillation of Methionine-oxidized Î±-Synuclein. Journal of Biological Chemistry, 2003, 278, 27630-27635. | 3.4 | 171 |
| 110 | Conformational transitions provoked by organic solvents in Î²-lactoglobulin: can a molten globule like intermediate be induced by the decrease in dielectric constant?. Folding & Design, 1997, 2, 163-172. | 4.5 | 169 |
| 111 | Amyloidogenesis of Natively Unfolded Proteins. Current Alzheimer Research, 2008, 5, 260-287. | 1.4 | 167 |
| 112 | Guiding Protein Aggregation with Macromolecular Crowding. Biochemistry, 2008, 47, 8993-9006. | 2.5 | 165 |
| 113 | Conditionally and Transiently Disordered Proteins: Awakening Cryptic Disorder To Regulate Protein Function. Chemical Reviews, 2014, 114, 6779-6805. | 47.7 | 165 |
| 114 | Functional roles of transiently and intrinsically disordered regions within proteins. FEBS Journal, 2015, 282, 1182-1189. | 4.7 | 165 |
| 115 | Stabilization of Partially Folded Conformation during Î±-Synuclein Oligomerization in Both Purified and Cytosolic Preparations. Journal of Biological Chemistry, 2001, 276, 43495-43498. | 3.4 | 164 |
| 116 | Dancing Protein Clouds: The Strange Biology and Chaotic Physics of Intrinsically Disordered Proteins. Journal of Biological Chemistry, 2016, 291, 6681-6688. | 3.4 | 164 |
| 117 | The molten globule is a third thermodynamical state of protein molecules. FEBS Letters, 1994, 341, 15-18. | 2.8 | 160 |
| 118 | Beyond the Excluded Volume Effects: Mechanistic Complexity of the Crowded Milieu. Molecules, 2015, 20, 1377-1409. | 3.8 | 157 |
| 119 | Structural and Functional Adaptations to Extreme Temperatures in Psychrophilic, Mesophilic, and Thermophilic DNA Ligases. Journal of Biological Chemistry, 2003, 278, 37015-37023. | 3.4 | 155 |
| 120 | Exploring the binding diversity of intrinsically disordered proteins involved in oneâ€toâ€many binding. Protein Science, 2013, 22, 258-273. | 7.6 | 155 |
| 121 | Comprehensive review of methods for prediction of intrinsic disorder and its molecular functions. Cellular and Molecular Life Sciences, 2017, 74, 3069-3090. | 5.4 | 153 |
| 122 | Nitration inhibits fibrillation of human Î±-synuclein in vitro by formation of soluble oligomers. FEBS Letters, 2003, 542, 147-152. | 2.8 | 152 |
| 123 | Fluorescence Quantum Yield of Thioflavin T in Rigid Isotropic Solution and Incorporated into the Amyloid Fibrils. PLoS ONE, 2010, 5, e15385. | 2.5 | 152 |
| 124 | Intrinsically disordered proteins and their (disordered) proteomes in neurodegenerative disorders. Frontiers in Aging Neuroscience, 2015, 7, 18. | 3.4 | 152 |
| 125 | Drugs for â€˜protein cloudsâ€™: targeting intrinsically disordered transcription factors. Current Opinion in Pharmacology, 2010, 10, 782-788. | 3.5 | 151 |
| 126 | Nickel impact on human health: An intrinsic disorder perspective. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 1714-1731. | 2.3 | 151 |

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| 127 | Intrinsically Disordered Proteome of Human Membraneâ€Less Organelles. Proteomics, 2018, 18, e1700193. | 2.2 | 151 |
| 128 | Methionine oxidation, Î±-synuclein and Parkinson's disease. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1703, 157-169. | 2.3 | 150 |
| 129 | SPINE-D: Accurate Prediction of Short and Long Disordered Regions by a Single Neural-Network Based Method. Journal of Biomolecular Structure and Dynamics, 2012, 29, 799-813. | 3.5 | 150 |
| 130 | Structural, morphological, and functional diversity of amyloid oligomers. FEBS Letters, 2015, 589, 2640-2648. | 2.8 | 150 |
| 131 | Conformational Behavior of Human Î±-Synuclein is Modulated by Familial Parkinsonâ€™s Disease Point Mutations A30P and A53T. NeuroToxicology, 2002, 23, 553-567. | 3.0 | 147 |
| 132 | Natively Unfolded Human Prothymosin Î± Adopts Partially Folded Collapsed Conformation at Acidic pH. Biochemistry, 1999, 38, 15009-15016. | 2.5 | 145 |
| 133 | Effects of nitration on the structure and aggregation of Î±-synuclein. Molecular Brain Research, 2005, 134, 84-102. | 2.3 | 144 |
| 134 | Molecular recognition features (MoRFs) in three domains of life. Molecular BioSystems, 2016, 12, 697-710. | 2.9 | 141 |
| 135 | Intrinsic Disorder in the Protein Data Bank. Journal of Biomolecular Structure and Dynamics, 2007, 24, 325-341. | 3.5 | 140 |
| 136 | Multifarious Roles of Intrinsic Disorder in Proteins Illustrate Its Broad Impact on Plant Biology. Plant Cell, 2013, 25, 38-55. | 6.6 | 138 |
| 137 | Fluorescent Proteins as Biomarkers and Biosensors: Throwing Color Lights on Molecular and Cellular Processes. Current Protein and Peptide Science, 2008, 9, 338-369. | 1.4 | 136 |
| 138 | A functionally required unfoldome from the plant kingdom: intrinsically disordered N-terminal domains of GRAS proteins are involved in molecular recognition during plant development. Plant Molecular Biology, 2011, 77, 205-223. | 3.9 | 135 |
| 139 | Signal transduction via unstructured protein conduits. Nature Chemical Biology, 2008, 4, 229-230. | 8.0 | 134 |
| 140 | Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. ACS Nano, 2021, 15, 8069-8086. | 14.6 | 134 |
| 141 | Bioactive Peptides: Synthesis, Sources, Applications, and Proposed Mechanisms of Action. International Journal of Molecular Sciences, 2022, 23, 1445. | 4.1 | 133 |
| 142 | p53 Proteoforms and Intrinsic Disorder: An Illustration of the Protein Structureâ€“Function Continuum Concept. International Journal of Molecular Sciences, 2016, 17, 1874. | 4.1 | 131 |
| 143 | Use of the Phase Diagram Method to Analyze the Protein Unfolding-Refolding Reactions:Â Fishing Out the â€œInvisibleâ€•Intermediates. Journal of Proteome Research, 2004, 3, 485-494. | 3.7 | 130 |
| 144 | The structural basis of accelerated host cell entry by SARSâ€CoVâ€2â€. FEBS Journal, 2021, 288, 5010-5020. | 4.7 | 129 |

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| 145 | Oncogenic Partnerships: EWS-FLI1 Protein Interactions Initiate Key Pathways of Ewing's Sarcoma. Clinical Cancer Research, 2010, 16, 4077-4083. | 7.0 | 128 |
| 146 | Intrinsic disorder in pathogenic and non-pathogenic microbes: discovering and analyzing the unfoldomes of early-branching eukaryotes. Molecular BioSystems, 2008, 4, 328. | 2.9 | 127 |
| 147 | Protein Intrinsic Disorder and Human Papillomaviruses:Â Increased Amount of Disorder in E6 and E7 Oncoproteins from High Risk HPVs. Journal of Proteome Research, 2006, 5, 1829-1842. | 3.7 | 126 |
| 148 | Conservation of Intrinsic Disorder in Protein Domains and Families:Â II. Functions of Conserved Disorder. Journal of Proteome Research, 2006, 5, 888-898. | 3.7 | 126 |
| 149 | Protein disorder in the human diseasome: unfoldomics of human genetic diseases. BMC Genomics, 2009, 10, S12. | 2.8 | 126 |
| 150 | Molecular Mechanisms Underlying the Flavonoid-Induced Inhibition of Î±-Synuclein Fibrillation. Biochemistry, 2009, 48, 8206-8224. | 2.5 | 126 |
| 151 | Conservation of Intrinsic Disorder in Protein Domains and Families:Â I. A Database of Conserved Predicted Disordered Regions. Journal of Proteome Research, 2006, 5, 879-887. | 3.7 | 124 |
| 152 | Use of fluorescence decay times of 8-ANS-protein complexes to study the conformational transitions in proteins which unfold through the molten globule state. Biophysical Chemistry, 1996, 60, 79-88. | 2.8 | 123 |
| 153 | CDF it all: Consensus prediction of intrinsically disordered proteins based on various cumulative distribution functions. FEBS Letters, 2009, 583, 1469-1474. | 2.8 | 123 |
| 154 | Disease-Associated Mutations Disrupt Functionally Important Regions of Intrinsic Protein Disorder. PLoS Computational Biology, 2012, 8, e1002709. | 3.2 | 123 |
| 155 | Polycation-induced oligomerization and accelerated fibrillation of human alpha-synuclein in vitro. Protein Science, 2003, 12, 702-707. | 7.6 | 122 |
| 156 | Partially Folded Conformations in the Folding Pathway of Bovine Carbonic Anhydrase II: A Fluorescence Spectroscopic Analysis. ChemBioChem, 2001, 2, 813. | 2.6 | 121 |
| 157 | Protein Interactions and Misfolding Analyzed by AFM Force Spectroscopy. Journal of Molecular Biology, 2005, 354, 1028-1042. | 4.2 | 121 |
| 158 | Protein tandem repeats â€“ the more perfect, the less structured. FEBS Journal, 2010, 277, 2673-2682. | 4.7 | 119 |
| 159 | A creature with a hundred waggly tails: intrinsically disordered proteins in the ribosome. Cellular and Molecular Life Sciences, 2014, 71, 1477-1504. | 5.4 | 119 |
| 160 | Anion-induced folding of Staphylococcal nuclease: characterization of multiple equilibrium partially folded intermediates. Journal of Molecular Biology, 1998, 278, 879-894. | 4.2 | 118 |
| 161 | Introduction to Intrinsically Disordered Proteins (IDPs). Chemical Reviews, 2014, 114, 6557-6560. | 47.7 | 118 |
| 162 | The most important thing is the tail: Multitudinous functionalities of intrinsically disordered protein termini. FEBS Letters, 2013, 587, 1891-1901. | 2.8 | 117 |

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| 163 | Small Heat Shock Proteins, Big Impact on Protein Aggregation in Neurodegenerative Disease. Frontiers in Pharmacology, 2019, 10, 1047. | 3.5 | 117 |
| 164 | Targeting intrinsically disordered proteins in neurodegenerative and protein dysfunction diseases: another illustration of the D<sup>2</sup>concept. Expert Review of Proteomics, 2010, 7, 543-564. | 3.0 | 116 |
| 165 | Simultaneous quantification of protein order and disorder. Nature Chemical Biology, 2017, 13, 339-342. | 8.0 | 113 |
| 166 | Archaic chaos: intrinsically disordered proteins in Archaea. BMC Systems Biology, 2010, 4, S1. | 3.0 | 111 |
| 167 | Intracellular processing of disease-associated Î±-synuclein in the human brain suggests prion-like cell-to-cell spread. Neurobiology of Disease, 2014, 69, 76-92. | 4.4 | 110 |
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