Julie D Forman-Kay

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204 20,551 9 6.89 ext. papers ext. citations avg, IF L-index

#	Paper	IF	Citations
171	Backbone dynamics of a free and phosphopeptide-complexed Src homology 2 domain studied by 15N NMR relaxation. <i>Biochemistry</i> , 1994 , 33, 5984-6003	3.2	1979
170	Phase transition of a disordered nuage protein generates environmentally responsive membraneless organelles. <i>Molecular Cell</i> , 2015 , 57, 936-947	17.6	952
169	Backbone 1H and 15N resonance assignments of the N-terminal SH3 domain of drk in folded and unfolded states using enhanced-sensitivity pulsed field gradient NMR techniques. <i>Journal of Biomolecular NMR</i> , 1994 , 4, 845-58	3	617
168	Sensitivity of secondary structure propensities to sequence differences between alpha- and gamma-synuclein: implications for fibrillation. <i>Protein Science</i> , 2006 , 15, 2795-804	6.3	547
167	Slow dynamics in folded and unfolded states of an SH3 domain. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11341-52	16.4	408
166	Two-dimensional NMR experiments for correlating carbon-13.beta. and proton.delta./.epsilon. chemical shifts of aromatic residues in 13C-labeled proteins via scalar couplings. <i>Journal of the American Chemical Society</i> , 1993 , 115, 11054-11055	16.4	399
165	A heteronuclear correlation experiment for simultaneous determination of 15N longitudinal decay and chemical exchange rates of systems in slow equilibrium. <i>Journal of Biomolecular NMR</i> , 1994 , 4, 727	-34	387
164	Atomic-level characterization of disordered protein ensembles. <i>Current Opinion in Structural Biology</i> , 2007 , 17, 3-14	8.1	360
163	Folding of an intrinsically disordered protein by phosphorylation as a regulatory switch. <i>Nature</i> , 2015 , 519, 106-9	50.4	344
162	Pi-Pi contacts are an overlooked protein feature relevant to phase separation. <i>ELife</i> , 2018 , 7,	8.9	302
161	Comparison of the backbone dynamics of a folded and an unfolded SH3 domain existing in equilibrium in aqueous buffer. <i>Biochemistry</i> , 1995 , 34, 868-78	3.2	289
160	Solution structure and dynamics of the outer membrane enzyme PagP by NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13560-5	11.5	282
159	Protein dynamics and conformational disorder in molecular recognition. <i>Journal of Molecular Recognition</i> , 2010 , 23, 105-16	2.6	277
158	Modulation of Intrinsically Disordered Protein Function by Post-translational Modifications. <i>Journal of Biological Chemistry</i> , 2016 , 291, 6696-705	5.4	262
157	Dynamic equilibrium engagement of a polyvalent ligand with a single-site receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17772-7	11.5	257
156	Sequence determinants of compaction in intrinsically disordered proteins. <i>Biophysical Journal</i> , 2010 , 98, 2383-90	2.9	252
155	CFTR regulatory region interacts with NBD1 predominantly via multiple transient helices. <i>Nature Structural and Molecular Biology</i> , 2007 , 14, 738-45	17.6	233

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154	protein on phase separation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8194-E8203	11.5	227	
153	Correlation between dynamics and high affinity binding in an SH2 domain interaction. <i>Biochemistry</i> , 1996 , 35, 361-8	3.2	225	
152	Structure/function implications in a dynamic complex of the intrinsically disordered Sic1 with the Cdc4 subunit of an SCF ubiquitin ligase. <i>Structure</i> , 2010 , 18, 494-506	5.2	208	
151	Autoinhibition of the HECT-type ubiquitin ligase Smurf2 through its C2 domain. <i>Cell</i> , 2007 , 130, 651-62	56.2	206	
150	Polyelectrostatic interactions of disordered ligands suggest a physical basis for ultrasensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9650-5	11.5	186	
149	Calculation of ensembles of structures representing the unfolded state of an SH3 domain. <i>Journal of Molecular Biology</i> , 2001 , 308, 1011-32	6.5	184	
148	Solution structure of a Nedd4 WW domain-ENaC peptide complex. <i>Nature Structural Biology</i> , 2001 , 8, 407-12		181	
147	What's in a name? Why these proteins are intrinsically disordered: Why these proteins are intrinsically disordered. <i>Intrinsically Disordered Proteins</i> , 2013 , 1, e24157		171	
146	Structural characterization of folded and unfolded states of an SH3 domain in equilibrium in aqueous buffer. <i>Biochemistry</i> , 1995 , 34, 6784-94	3.2	170	
145	RGG/RG Motif Regions in RNA Binding and Phase Separation. <i>Journal of Molecular Biology</i> , 2018 , 430, 4650-4665	6.5	166	
144	pE-DB: a database of structural ensembles of intrinsically disordered and of unfolded proteins. <i>Nucleic Acids Research</i> , 2014 , 42, D326-35	20.1	159	
143	Distribution of molecular size within an unfolded state ensemble using small-angle X-ray scattering and pulse field gradient NMR techniques. <i>Journal of Molecular Biology</i> , 2002 , 316, 101-12	6.5	158	
142	Sequence-Specific Polyampholyte Phase Separation in Membraneless Organelles. <i>Physical Review Letters</i> , 2016 , 117, 178101	7.4	149	
141	NOE data demonstrating a compact unfolded state for an SH3 domain under non-denaturing conditions. <i>Journal of Molecular Biology</i> , 1999 , 289, 619-38	6.5	149	
140	Characterization of the backbone dynamics of folded and denatured states of an SH3 domain. <i>Biochemistry</i> , 1997 , 36, 2390-402	3.2	148	
139	Global folds of proteins with low densities of NOEs using residual dipolar couplings: application to the 370-residue maltodextrin-binding protein. <i>Journal of Molecular Biology</i> , 2000 , 300, 197-212	6.5	147	
138	Structural characterization of proteins with an attached ATCUN motif by paramagnetic relaxation enhancement NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9843-7	16.4	145	
137	From sequence and forces to structure, function, and evolution of intrinsically disordered proteins. <i>Structure</i> , 2013 , 21, 1492-9	5.2	144	

136	A simple in vivo assay for increased protein solubility. <i>Protein Science</i> , 1999 , 8, 1908-11	6.3	140
135	High-resolution three-dimensional structure of reduced recombinant human thioredoxin in solution. <i>Biochemistry</i> , 1991 , 30, 2685-98	3.2	137
134	Contributions to protein entropy and heat capacity from bond vector motions measured by NMR spin relaxation. <i>Journal of Molecular Biology</i> , 1997 , 272, 790-804	6.5	134
133	Phospho-dependent phase separation of FMRP and CAPRIN1 recapitulates regulation of translation and deadenylation. <i>Science</i> , 2019 , 365, 825-829	33.3	128
132	NMR studies of unfolded states of an SH3 domain in aqueous solution and denaturing conditions. <i>Biochemistry</i> , 1997 , 36, 3959-70	3.2	128
131	Structure and disorder in an unfolded state under nondenaturing conditions from ensemble models consistent with a large number of experimental restraints. <i>Journal of Molecular Biology</i> , 2009 , 391, 359-74	6.5	126
130	Phosphoregulated FMRP phase separation models activity-dependent translation through bidirectional control of mRNA granule formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 4218-4227	11.5	125
129	Dynamic Protein Interaction Networks and New Structural Paradigms in Signaling. <i>Chemical Reviews</i> , 2016 , 116, 6424-62	68.1	118
128	Liquid-liquid phase separation in cellular signaling systems. <i>Current Opinion in Structural Biology</i> , 2016 , 41, 180-186	8.1	116
127	Relationship between electrostatics and redox function in human thioredoxin: characterization of pH titration shifts using two-dimensional homo- and heteronuclear NMR. <i>Biochemistry</i> , 1992 , 31, 3442-	5 2 .2	116
126	Theories for Sequence-Dependent Phase Behaviors of Biomolecular Condensates. <i>Biochemistry</i> , 2018 , 57, 2499-2508	3.2	115
125	Characterization of disordered proteins with ENSEMBLE. <i>Bioinformatics</i> , 2013 , 29, 398-9	7.2	115
124	Regulatory R region of the CFTR chloride channel is a dynamic integrator of phospho-dependent intra- and intermolecular interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E4427-36	11.5	110
123	Properties of Stress Granule and P-Body Proteomes. <i>Molecular Cell</i> , 2019 , 76, 286-294	17.6	105
122	Diversity in protein recognition by PTB domains. Current Opinion in Structural Biology, 1999, 9, 690-5	8.1	103
121	Improved structural characterizations of the drkN SH3 domain unfolded state suggest a compact ensemble with native-like and non-native structure. <i>Journal of Molecular Biology</i> , 2007 , 367, 1494-510	6.5	99
120	Structure of a Numb PTB domain-peptide complex suggests a basis for diverse binding specificity. <i>Nature Structural Biology</i> , 1998 , 5, 1075-83		98
119	Correlation between binding and dynamics at SH2 domain interfaces. <i>Nature Structural Biology</i> , 1998 , 5, 156-63		97

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118	Novel mode of ligand binding by the SH2 domain of the human XLP disease gene product SAP/SH2D1A. <i>Current Biology</i> , 1999 , 9, 1355-62	6.3	97	
117	Ensemble modeling of protein disordered states: experimental restraint contributions and validation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012 , 80, 556-72	4.2	95	
116	Multidimensional NMR methods for protein structure determination. <i>IUBMB Life</i> , 2001 , 52, 291-302	4.7	95	
115	Structural diversity in free and bound states of intrinsically disordered protein phosphatase 1 regulators. <i>Structure</i> , 2010 , 18, 1094-103	5.2	94	
114	Finding Our Way in the Dark Proteome. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9730-42	16.4	93	
113	Similarities between the spectrin SH3 domain denatured state and its folding transition state. <i>Journal of Molecular Biology</i> , 2000 , 297, 1217-29	6.5	90	
112	Probing the diverse landscape of protein flexibility and binding. <i>Current Opinion in Structural Biology</i> , 2012 , 22, 643-50	8.1	87	
111	NMR evidence for differential phosphorylation-dependent interactions in WT and DeltaF508 CFTR. <i>EMBO Journal</i> , 2010 , 29, 263-77	13	87	
110	Studies on the solution conformation of human thioredoxin using heteronuclear 15N-1H nuclear magnetic resonance spectroscopy. <i>Biochemistry</i> , 1990 , 29, 1566-72	3.2	86	
109	A change in conformational dynamics underlies the activation of Eph receptor tyrosine kinases. <i>EMBO Journal</i> , 2006 , 25, 4686-96	13	82	
108	Site-specific contributions to the pH dependence of protein stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 4545-50	11.5	79	
107	Aromatic and methyl NOEs highlight hydrophobic clustering in the unfolded state of an SH3 domain. <i>Biochemistry</i> , 2003 , 42, 8687-95	3.2	77	
106	Transient structure and dynamics in the disordered c-Myc transactivation domain affect Bin1 binding. <i>Nucleic Acids Research</i> , 2012 , 40, 6353-66	20.1	75	
105	Affinity and specificity of interactions between Nedd4 isoforms and the epithelial Na+ channel. <i>Journal of Biological Chemistry</i> , 2003 , 278, 20019-28	5.4	74	
104	Analysis of deuterium relaxation-derived methyl axis order parameters and correlation with local structure. <i>Journal of Biomolecular NMR</i> , 1999 , 13, 181-5	3	74	
103	Random-phase-approximation theory for sequence-dependent, biologically functional liquid-liquid phase separation of intrinsically disordered proteins. <i>Journal of Molecular Liquids</i> , 2017 , 228, 176-193	6	73	
102	A "three-pronged" binding mechanism for the SAP/SH2D1A SH2 domain: structural basis and relevance to the XLP syndrome. <i>EMBO Journal</i> , 2002 , 21, 314-23	13	73	
101	Dramatic stabilization of an SH3 domain by a single substitution: roles of the folded and unfolded states. <i>Journal of Molecular Biology</i> , 2001 , 307, 913-28	6.5	73	

100	NMR Pulse Schemes for the Sequence-Specific Assignment of Arginine Guanidino 15N and 1H Chemical Shifts in Proteins. <i>Journal of the American Chemical Society</i> , 1995 , 117, 3556-3564	16.4	73
99	Triple-resonance NOESY-based experiments with improved spectral resolution: applications to structural characterization of unfolded, partially folded and folded proteins. <i>Journal of Biomolecular NMR</i> , 1997 , 9, 181-200	3	69
98	Complex regulatory mechanisms mediated by the interplay of multiple post-translational modifications. <i>Current Opinion in Structural Biology</i> , 2018 , 48, 58-67	8.1	68
97	Structural determinants for high-affinity binding in a Nedd4 WW3* domain-Comm PY motif complex. <i>Structure</i> , 2006 , 14, 543-53	5.2	67
96	Interaction of the eukaryotic initiation factor 4E with 4E-BP2 at a dynamic bipartite interface. <i>Structure</i> , 2013 , 21, 2186-96	5.2	64
95	Sequential assignment of proline-rich regions in proteins: application to modular binding domain complexes. <i>Journal of Biomolecular NMR</i> , 2000 , 16, 253-9	3	64
94	Structure of a regulatory complex involving the Abl SH3 domain, the Crk SH2 domain, and a Crk-derived phosphopeptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14053-8	11.5	63
93	Cooperative interactions and a non-native buried Trp in the unfolded state of an SH3 domain. <i>Journal of Molecular Biology</i> , 2002 , 322, 163-78	6.5	63
92	First-generation predictors of biological protein phase separation. <i>Current Opinion in Structural Biology</i> , 2019 , 58, 88-96	8.1	62
91	Measurement of side-chain carboxyl pK(a) values of glutamate and aspartate residues in an unfolded protein by multinuclear NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2002 , 124, 5714-7	16.4	62
90	Charge pattern matching as a fluzzyllmode of molecular recognition for the functional phase separations of intrinsically disordered proteins. <i>New Journal of Physics</i> , 2017 , 19, 115003	2.9	61
89	Calculation of residual dipolar couplings from disordered state ensembles using local alignment. Journal of the American Chemical Society, 2008, 130, 7804-5	16.4	61
88	Structural and dynamic characterization of the phosphotyrosine binding region of a Src homology 2 domainphosphopeptide complex by NMR relaxation, proton exchange, and chemical shift approaches. <i>Biochemistry</i> , 1995 , 34, 11353-62	3.2	60
87	Coupling of tandem Smad ubiquitination regulatory factor (Smurf) WW domains modulates target specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 18404-9	11.5	57
86	Comparative roles of charge, , and hydrophobic interactions in sequence-dependent phase separation of intrinsically disordered proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28795-28805	11.5	56
85	Comprehensive NOE characterization of a partially folded large fragment of staphylococcal nuclease Delta131Delta, using NMR methods with improved resolution. <i>Journal of Molecular Biology</i> , 1997 , 272, 9-20	6.5	56
84	The ubiquitin binding region of the Smurf HECT domain facilitates polyubiquitylation and binding of ubiquitylated substrates. <i>Journal of Biological Chemistry</i> , 2010 , 285, 6308-15	5.4	55
83	Congenital chloride-losing diarrhea causing mutations in the STAS domain result in misfolding and mistrafficking of SLC26A3. <i>Journal of Biological Chemistry</i> , 2008 , 283, 8711-22	5.4	54

82	Proteome-wide signatures of function in highly diverged intrinsically disordered regions. <i>ELife</i> , 2019 , 8,	8.9	53
81	Direct Binding of the Corrector VX-809 to Human CFTR NBD1: Evidence of an Allosteric Coupling between the Binding Site and the NBD1:CL4 Interface. <i>Molecular Pharmacology</i> , 2017 , 92, 124-135	4.3	51
80	Composite low affinity interactions dictate recognition of the cyclin-dependent kinase inhibitor Sic1 by the SCFCdc4 ubiquitin ligase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3287-92	11.5	51
79	High populations of non-native structures in the denatured state are compatible with the formation of the native folded state. <i>Journal of Molecular Biology</i> , 1998 , 284, 1153-64	6.5	49
78	15N H/D-SOLEXSY experiment for accurate measurement of amide solvent exchange rates: application to denatured drkN SH3. <i>Journal of Biomolecular NMR</i> , 2010 , 46, 227-44	3	48
77	Synuclein-gamma targeting peptide inhibitor that enhances sensitivity of breast cancer cells to antimicrotubule drugs. <i>Cancer Research</i> , 2007 , 67, 626-33	10.1	48
76	Phenotypic profiling of CFTR modulators in patient-derived respiratory epithelia. <i>Npj Genomic Medicine</i> , 2017 , 2, 12	6.2	46
75	Side-chain dynamics of the SAP SH2 domain correlate with a binding hot spot and a region with conformational plasticity. <i>Journal of Molecular Biology</i> , 2002 , 322, 605-20	6.5	46
74	Phosphorylation-dependent 14-3-3 protein interactions regulate CFTR biogenesis. <i>Molecular Biology of the Cell</i> , 2012 , 23, 996-1009	3.5	45
73	An expanded WW domain recognition motif revealed by the interaction between Smad7 and the E3 ubiquitin ligase Smurf2. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17069-17075	5.4	45
72	Structural changes of CFTR R region upon phosphorylation: a plastic platform for intramolecular and intermolecular interactions. <i>FEBS Journal</i> , 2013 , 280, 4407-16	5.7	44
71	The effect of intrachain electrostatic repulsion on conformational disorder and dynamics of the Sic1 protein. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 4088-97	3.4	43
70	Determination of the positions of bound water molecules in the solution structure of reduced human thioredoxin by heteronuclear three-dimensional nuclear magnetic resonance spectroscopy. <i>Journal of Molecular Biology</i> , 1991 , 220, 209-16	6.5	43
69	Conformational changes relevant to channel activity and folding within the first nucleotide binding domain of the cystic fibrosis transmembrane conductance regulator. <i>Journal of Biological Chemistry</i> , 2012 , 287, 28480-94	5.4	42
68	Conformational Ensembles of an Intrinsically Disordered Protein Consistent with NMR, SAXS, and Single-Molecule FRET. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15697-15710	16.4	41
67	1HI 3C Dipole Dipole Cross-Correlated Spin Relaxation As a Probe of Dynamics in Unfolded Proteins: Application to the DrkN SH3 Domain. <i>Journal of the American Chemical Society</i> , 1999 , 121, 35	55-3 5 5	6 ⁴⁰
66	Structural signature of the MYPT1-PP1 interaction. <i>Journal of the American Chemical Society</i> , 2011 , 133, 73-80	16.4	37
65	pH titration studies of an SH2 domain-phosphopeptide complex: unusual histidine and phosphate pKa values. <i>Protein Science</i> , 1997 , 6, 1910-9	6.3	37

64	Identification of a molecular locus for normalizing dysregulated GABA release from interneurons in the Fragile X brain. <i>Molecular Psychiatry</i> , 2020 , 25, 2017-2035	15.1	35
63	Phase Separation as a Missing Mechanism for Interpretation of Disease Mutations. <i>Cell</i> , 2020 , 183, 1742	- 48.5 6	34
62	NMR studies of tandem WW domains of Nedd4 in complex with a PY motif-containing region of the epithelial sodium channel. <i>Biochemistry and Cell Biology</i> , 1998 , 76, 341-350	3.6	34
61	NMR characterization of copper-binding domains 4-6 of ATP7B. <i>Biochemistry</i> , 2010 , 49, 8468-77	3.2	33
60	Autism-Misregulated eIF4G Microexons Control Synaptic Translation and Higher Order Cognitive Functions. <i>Molecular Cell</i> , 2020 , 77, 1176-1192.e16	17.6	32
59	Synergy of cAMP and calcium signaling pathways in CFTR regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2086-E2095	11.5	31
58	Structural comparison of the unstable drkN SH3 domain and a stable mutant. <i>Biochemistry</i> , 2005 , 44, 15550-60	3.2	31
57	PED in 2021: a major update of the protein ensemble database for intrinsically disordered proteins. <i>Nucleic Acids Research</i> , 2021 , 49, D404-D411	20.1	31
56	Tryptophan solvent exposure in folded and unfolded states of an SH3 domain by 19F and 1H NMR. <i>Biochemistry</i> , 2006 , 45, 14120-8	3.2	30
55	An allosteric conduit facilitates dynamic multisite substrate recognition by the SCF ubiquitin ligase. <i>Nature Communications</i> , 2017 , 8, 13943	17.4	28
54	Oxygen as a paramagnetic probe of clustering and solvent exposure in folded and unfolded states of an SH3 domain. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1826-35	16.4	27
53	NMR dynamics-derived insights into the binding properties of a peptide interacting with an SH2 domain. <i>Biochemistry</i> , 2005 , 44, 694-703	3.2	27
52	Hydration and packing along the folding pathway of SH3 domains by pressure-dependent NMR. <i>Biochemistry</i> , 2006 , 45, 4711-9	3.2	27
51	Differential dynamic engagement within 24 SH3 domain: peptide complexes revealed by co-linear chemical shift perturbation analysis. <i>PLoS ONE</i> , 2012 , 7, e51282	3.7	27
50	NMR structure of neuromedin C, a neurotransmitter with an amino terminal Cull-, Nill-binding (ATCUN) motif. <i>Chemical Biology and Drug Design</i> , 1997 , 49, 500-9		26
49	A proton nuclear magnetic resonance assignment and secondary structure determination of recombinant human thioredoxin. <i>Biochemistry</i> , 1989 , 28, 7088-97	3.2	26
48	Structural, functional, and bioinformatic studies demonstrate the crucial role of an extended peptide binding site for the SH3 domain of yeast Abp1p. <i>Journal of Biological Chemistry</i> , 2009 , 284, 269	18-27	25
47	Dynamics intrinsic to cystic fibrosis transmembrane conductance regulator function and stability. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013 , 3, a009522	5.4	24

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46	Allosteric coupling between the intracellular coupling helix 4 and regulatory sites of the first nucleotide-binding domain of CFTR. <i>PLoS ONE</i> , 2013 , 8, e74347	3.7	24
45	NMR Experiments for Studies of Dilute and Condensed Protein Phases: Application to the Phase-Separating Protein CAPRIN1. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2471-2489	16.4	23
44	Entropy and Information within Intrinsically Disordered Protein Regions. Entropy, 2019, 21,	2.8	22
43	Extended Experimental Inferential Structure Determination Method in Determining the Structural Ensembles of Disordered Protein States. <i>Communications Chemistry</i> , 2020 , 3,	6.3	21
42	Translating Material Science into Biological Function. <i>Molecular Cell</i> , 2019 , 75, 1-2	17.6	21
41	Binding screen for cystic fibrosis transmembrane conductance regulator correctors finds new chemical matter and yields insights into cystic fibrosis therapeutic strategy. <i>Protein Science</i> , 2016 , 25, 360-73	6.3	21
40	The ZIP5 ectodomain co-localizes with PrP and may acquire a PrP-like fold that assembles into a dimer. <i>PLoS ONE</i> , 2013 , 8, e72446	3.7	19
39	Disorder in a target for the smad2 mad homology 2 domain and its implications for binding and specificity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 40707-14	5.4	19
38	Multivalent Interactions with Fbw7 and Pin1 Facilitate Recognition of c-Jun by the SCF Ubiquitin Ligase. <i>Structure</i> , 2018 , 26, 28-39.e2	5.2	17
37	Deletion of Phenylalanine 508 in the First Nucleotide-binding Domain of the Cystic Fibrosis Transmembrane Conductance Regulator Increases Conformational Exchange and Inhibits Dimerization. <i>Journal of Biological Chemistry</i> , 2015 , 290, 22862-78	5.4	15
36	Measuring pK(a) values in protein folding transition state ensembles by NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8904-5	16.4	15
35	Corrigendum to the Paper by Mok et al. (1999) NOE Data Demonstrating a Compact Unfolded State for an SH3 Domain under Non-denaturing Conditions. <i>Journal of Molecular Biology</i> , 2003 , 329, 185-187	6.5	15
34	Characterization of the phosphotyrosine-binding domain of the Drosophila Shc protein. <i>Journal of Biological Chemistry</i> , 1996 , 271, 31855-62	5.4	15
33	Conformations of a Metastable SH3 Domain Characterized by smFRET and an Excluded-Volume Polymer Model. <i>Biophysical Journal</i> , 2016 , 110, 1510-1522	2.9	15
32	Interplay of buried histidine protonation and protein stability in prion misfolding. <i>Scientific Reports</i> , 2017 , 7, 882	4.9	14
31	Clinical presentation and molecular basis of congenital antithrombin deficiency in children: a cohort study. <i>British Journal of Haematology</i> , 2014 , 166, 130-9	4.5	14
30	Stabilization of a nucleotide-binding domain of the cystic fibrosis transmembrane conductance regulator yields insight into disease-causing mutations. <i>Journal of Biological Chemistry</i> , 2017 , 292, 1414	7 ⁵ 14 16	54 ¹³
29	Megakaryocyte and platelet abnormalities in a patient with a W33C mutation in the conserved SH3-like domain of myosin heavy chain IIA. <i>Thrombosis and Haemostasis</i> , 2009 , 102, 1241-50	7	13

28	Augmentation of Cystic Fibrosis Transmembrane Conductance Regulator Function in Human Bronchial Epithelial Cells via SLC6A14-Dependent Amino Acid Uptake. Implications for Treatment of Cystic Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019 , 61, 755-764	5.7	11
27	Molecular oxygen as a paramagnetic NMR probe of protein solvent exposure and topology. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2008 , 32A, 239-253	0.6	11
26	CFTR structure. Journal of Cystic Fibrosis, 2018, 17, S5-S8	4.1	11
25	Phosphorylation-dependent regulation of messenger RNA transcription, processing and translation within biomolecular condensates. <i>Current Opinion in Cell Biology</i> , 2021 , 69, 30-40	9	11
24	Interaction hot spots for phase separation revealed by NMR studies of a CAPRIN1 condensed phase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
23	Structural studies of FF domains of the transcription factor CA150 provide insights into the organization of FF domain tandem arrays. <i>Journal of Molecular Biology</i> , 2009 , 393, 409-24	6.5	9
22	NMR spectroscopy to study the dynamics and interactions of CFTR. <i>Methods in Molecular Biology</i> , 2011 , 741, 377-403	1.4	9
21	An evolutionary switch in ND2 enables Src kinase regulation of NMDA receptors. <i>Nature Communications</i> , 2017 , 8, 15220	17.4	8
20	Non-cooperative 4E-BP2 folding with exchange between eIF4E-binding and binding-incompatible states tunes cap-dependent translation inhibition. <i>Nature Communications</i> , 2020 , 11, 3146	17.4	6
19	Characterization of the hydrodynamic properties of the folding transition state of an SH3 domain by magnetization transfer NMR spectroscopy. <i>Biochemistry</i> , 2006 , 45, 6434-45	3.2	6
18	Recessive variants impair actin remodeling and cause glomerulopathy in humans and mice. <i>Science Advances</i> , 2021 , 7,	14.3	6
17	FUS-ALS mutants alter FMRP phase separation equilibrium and impair protein translation. <i>Science Advances</i> , 2021 , 7,	14.3	6
16	A New Phase in ALS Research. Structure, 2016 , 24, 1435-6	5.2	5
15	Global Proximity Interactome of the Human Macroautophagy Pathway. <i>Autophagy</i> , 2021 , 1-13	10.2	4
14	Role of CBS and Bateman Domains in Phosphorylation-Dependent Regulation of a CLC Anion Channel. <i>Biophysical Journal</i> , 2016 , 111, 1876-1886	2.9	3
13	Molecular structural analysis of a novel and de-novo mutation in the SERPINC1 gene associated with type 1 antithrombin deficiency. <i>British Journal of Haematology</i> , 2017 , 177, 654-656	4.5	3
12	Whence Blobs? Phylogenetics of functional protein condensates. <i>Biochemical Society Transactions</i> , 2020 , 48, 2151-2158	5.1	3
11	Integrating multiple experimental data to determine conformational ensembles of an intrinsically disordered protein		3

LIST OF PUBLICATIONS

10	Development and characterization of synthetic antibodies binding to the cystic fibrosis conductance regulator. <i>MAbs</i> , 2016 , 8, 1167-76	6.6	3
9	Identifying molecular features that are associated with biological function of intrinsically disordered protein regions. <i>ELife</i> , 2021 , 10,	8.9	3
8	c.1058C>T variant in the SERPINC1 gene is pathogenic for antithrombin deficiency. <i>British Journal of Haematology</i> , 2015 , 170, 123-5	4.5	2
7	Configurational Entropy of Folded Proteins and Its Importance for Intrinsically Disordered Proteins. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
6	-LinkedAcetylglucosaminylation of the RNA-Binding Protein EWS N-Terminal Low Complexity Region Reduces Phase Separation and Enhances Condensate Dynamics. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11520-11534	16.4	2
5	A recurrent SHANK3 frameshift variant in Autism Spectrum Disorder. <i>Npj Genomic Medicine</i> , 2021 , 6, 91	6.2	1
4	O-GlcNAcylation reduces phase separation and aggregation of the EWS N-terminal low complexity reg	ion	1
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2	Structural, Dynamic, and Folding Studies of SH2 and SH3 Domains 1996 , 35-47		
1	Dynamic complexes of intrinsically disordered proteins and their regulation by post-translational modifications. <i>FASEB Journal</i> , 2013 , 27, 459.1	0.9	