

# Jiri Novacek

## List of Publications by Year in descending order

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26  
papers

850  
citations

471061

17  
h-index

525886

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1265  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategy for complete NMR assignment of disordered proteins with highly repetitive sequences based on resolution-enhanced 5D experiments. <i>Journal of Biomolecular NMR</i> , 2010, 48, 169-177.	1.6	99
2	Structural basis for antibiotic resistance mediated by the <i>Bacillus subtilis</i> ABCF ATPase VmlR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8978-8983.	3.3	78
3	5D <sup>13</sup> C-detected experiments for backbone assignment of unstructured proteins with a very low signal dispersion. <i>Journal of Biomolecular NMR</i> , 2011, 50, 1-11.	1.6	77
4	Structure and genome release of Twort-like Myoviridae phage with a double-layered baseplate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9351-9356.	3.3	77
5	Structure of deformed wing virus, a major honey bee pathogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3210-3215.	3.3	43
6	4D Non-uniformly sampled HCBCACON and 1J(NC <sup>1</sup> ±)-selective HCBCANCO experiments for the sequential assignment and chemical shift analysis of intrinsically disordered proteins. <i>Journal of Biomolecular NMR</i> , 2012, 53, 139-148.	1.6	40
7	Role of SH3b binding domain in a natural deletion mutant of Kayvirus endolysin LysF1 with a broad range of lytic activity. <i>Virus Genes</i> , 2018, 54, 130-139.	0.7	40
8	Efficient protocol for backbone and side-chain assignments of large, intrinsically disordered proteins: transient secondary structure analysis of 49.2 kDa microtubule associated protein 2c. <i>Journal of Biomolecular NMR</i> , 2013, 56, 291-301.	1.6	38
9	Multiple Recognition Motifs in Nucleoporin Nup159 Provide a Stable and Rigid Nup159-Dyn2 Assembly. <i>Journal of Biological Chemistry</i> , 2013, 288, 2614-2622.	1.6	35
10	Multivalency regulates activity in an intrinsically disordered transcription factor. <i>ELife</i> , 2018, 7, .	2.8	34
11	Toward optimal-resolution NMR of intrinsically disordered proteins. <i>Journal of Magnetic Resonance</i> , 2014, 241, 41-52.	1.2	29
12	Conformational Dynamics and Antigenicity in the Disordered Malaria Antigen Merozoite Surface Protein 2. <i>PLoS ONE</i> , 2015, 10, e0119899.	1.1	27
13	A role for the <i>Saccharomyces cerevisiae</i> ABCF protein New1 in translation termination/recycling. <i>Nucleic Acids Research</i> , 2019, 47, 8807-8820.	6.5	26
14	NMR Determines Transient Structure and Dynamics in the Disordered C-Terminal Domain of WASp Interacting Protein. <i>Biophysical Journal</i> , 2013, 105, 481-493.	0.2	25
15	Solution structure of the N-terminal domain of <i>Bacillus subtilis</i> $\hat{\Gamma}$ subunit of RNA polymerase and its classification based on structural homologs. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 1807-1810.	1.5	24
16	Receptor-Independent Transfer of Low Density Lipoprotein Cargo to Biomembranes. <i>Nano Letters</i> , 2019, 19, 2562-2567.	4.5	23
17	A switch from $\hat{\Gamma}$ helical to $\hat{\Gamma}$ strand conformation during co-translational protein folding. <i>EMBO Journal</i> , 2022, 41, e109175.	3.5	21
18	Structural Study of the Partially Disordered Full-length $\hat{\Gamma}$ Subunit of RNA Polymerase from <i>Bacillus subtilis</i> . <i>ChemBioChem</i> , 2013, 14, 1772-1779.	1.3	18

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19	Lipoprotein Particles Interact with Membranes and Transfer Their Cargo without Receptors. <i>Biochemistry</i> , 2020, 59, 4421-4428.	1.2	18
20	Quantitative mapping of microtubule-associated protein 2c (MAP2c) phosphorylation and regulatory protein 14-3-3 $\eta$ -binding sites reveals key differences between MAP2c and its homolog Tau. <i>Journal of Biological Chemistry</i> , 2017, 292, 6715-6727.	1.6	16
21	Phosphorylation of the regulatory domain of human tyrosine hydroxylase 1 monitored using non-uniformly sampled NMR. <i>Biophysical Chemistry</i> , 2017, 223, 25-29.	1.5	13
22	Functionally specific binding regions of microtubule-associated protein 2c exhibit distinct conformations and dynamics. <i>Journal of Biological Chemistry</i> , 2018, 293, 13297-13309.	1.6	13
23	Triple resonance $^{15}\text{N}$ NMR relaxation experiments for studies of intrinsically disordered proteins. <i>Journal of Biomolecular NMR</i> , 2017, 69, 133-146.	1.6	11
24	The Structural Properties in Solution of the Intrinsically Mixed Folded Protein Ataxin-3. <i>Biophysical Journal</i> , 2018, 115, 59-71.	0.2	10
25	NMR assignment of intrinsically disordered self-processing module of the FrpC protein of <i>Neisseria meningitidis</i> . <i>Biomolecular NMR Assignments</i> , 2015, 9, 435-440.	0.4	5
26	Virion Structure and <i>In Vitro</i> Genome Release Mechanism of Dicrostovirus Kashmir Bee Virus. <i>Journal of Virology</i> , 2021, 95, .	1.5	4