

# Assist Beat VÃ¶geli

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,298  
citations

257101

24  
h-index

243296

44  
g-index

88  
all docs

88  
docs citations

88  
times ranked

1886  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | On the use of residual dipolar couplings in multi-state structure calculation of two-domain proteins. <i>Magnetic Resonance Letters</i> , 2022, 2, 61-68.  | 0.7 | 0         |
| 2  | Solution NMR backbone assignments of disordered Olduvai protein domain CON1 employing $H^1\alpha$ -detected experiments. <i>Biomolecular NMR Assignments</i> , 2022, , 1.                                | 0.4 | 0         |
| 3  | Structural Investigation of a Putative Intrinsically Disordered Region Within Deleted in Colorectal Carcinoma That Regulates Protein Synthesis. <i>FASEB Journal</i> , 2022, 36, .                       | 0.2 | 0         |
| 4  | Butyrate Analogues Mimicking Hypoxia by the Chemical Stabilization of Hypoxia Inducible Factor (HIF). <i>FASEB Journal</i> , 2022, 36, .   | 0.2 | 0         |
| 5  | Microbiota-derived butyrate is an endogenous HIF prolyl hydroxylase inhibitor. <i>Gut Microbes</i> , 2021, 13, 1938380.  | 4.3 | 30        |
| 6  | Recognition of non-CpG repeats in Alu and ribosomal RNAs by the Z-RNA binding domain of ADAR1 induces A-Z junctions. <i>Nature Communications</i> , 2021, 12, 793.                                       | 5.8 | 39        |
| 7  | The Disordered Spindly C-terminus Interacts with RZZ Subunits ROD-1 and ZWL-1 in the Kinetochores through the Same Sites in <i>C. Elegans</i> . <i>Journal of Molecular Biology</i> , 2021, 433, 166812. | 2.0 | 11        |
| 8  | Targeting tumor-derived NLRP3 reduces melanoma progression by limiting MDSCs expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .            | 3.3 | 95        |
| 9  | Solution NMR backbone assignments of the N-terminal $Z^1$ -linker- $Z^2$ segment from Homo sapiens ADAR1p150. <i>Biomolecular NMR Assignments</i> , 2021, 15, 273-279.                                   | 0.4 | 2         |
| 10 | Microbial-derived indoles inhibit neutrophil myeloperoxidase to diminish bystander tissue damage. <i>FASEB Journal</i> , 2021, 35, e21552.   | 0.2 | 17        |
| 11 | Microbiota-derived butyrate is an endogenous inhibitor of HIF prolyl hydroxylases. <i>FASEB Journal</i> , 2021, 35, .  | 0.2 | 0         |
| 12 | The Inherent Dynamics and Interaction Sites of the SARS-CoV-2 Nucleocapsid N-Terminal Region. <i>Journal of Molecular Biology</i> , 2021, 433, 167108.   | 2.0 | 30        |
| 13 | Reconstruction of Coupled Intra- and Interdomain Protein Motion from Nuclear and Electron Magnetic Resonance. <i>Journal of the American Chemical Society</i> , 2021, 143, 16055-16067.                  | 6.6 | 13        |
| 14 | Protein Motional Details Revealed by Complementary Structural Biology Techniques. <i>Structure</i> , 2020, 28, 1024-1034.e3.   | 1.6 | 11        |
| 15 | Protein Allostery at Atomic Resolution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22132-22139.  | 7.2 | 21        |
| 16 | Protein Allostery at Atomic Resolution. <i>Angewandte Chemie</i> , 2020, 132, 22316-22323.   | 1.6 | 1         |
| 17 | Reducing the measurement time of exact NOEs by non-uniform sampling. <i>Journal of Biomolecular NMR</i> , 2020, 74, 717-739.   | 1.6 | 7         |
| 18 | Integrating NMR and simulations reveals motions in the UUCG tetraloop. <i>Nucleic Acids Research</i> , 2020, 48, 5839-5848.  | 6.5 | 31        |

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|----|---|-----|-----------|
| 19 | Activity and Affinity of Pin1 Variants. <i>Molecules</i> , 2020, 25, 36.  | 1.7 | 7         |
| 20 | Deuteration of nonexchangeable protons on proteins affects their thermal stability, side-chain dynamics, and hydrophobicity. <i>Protein Science</i> , 2020, 29, 1641-1654.  | 3.1 | 21        |
| 21 | Distance-independent Cross-correlated Relaxation and Isotropic Chemical Shift Modulation in Protein Dynamics Studies. <i>ChemPhysChem</i> , 2019, 20, 178-196.  | 1.0 | 8         |
| 22 | Solution NMR backbone assignment reveals interaction-free tumbling of human lineage-specific Olduvai protein domains. <i>Biomolecular NMR Assignments</i> , 2019, 13, 339-343.  | 0.4 | 4         |
| 23 | Exact distance measurements for structure and dynamics in solid proteins by fast-magic-angle-spinning NMR. <i>Chemical Communications</i> , 2019, 55, 7899-7902.  | 2.2 | 20        |
| 24 | A transient helix in the disordered region of dynein light intermediate chain links the motor to structurally diverse adaptors for cargo transport. <i>PLoS Biology</i> , 2019, 17, e3000100.   | 2.6 | 39        |
| 25 | Backbone and side-chain chemical shift assignments of full-length, apo, human Pin1, a phosphoprotein regulator with interdomain allostery. <i>Biomolecular NMR Assignments</i> , 2019, 13, 85-89.   | 0.4 | 6         |
| 26 | NOE-derived Methyl Distances from a 360 kDa Proteasome Complex. <i>Chemistry - A European Journal</i> , 2018, 24, 2270-2276.  | 1.7 | 9         |
| 27 | The Sign of Nuclear Magnetic Resonance Chemical Shift Difference as a Determinant of the Origin of Binding Selectivity: Elucidation of the Position Dependence of Phosphorylation in Ligands Binding to Scribble PDZ1. <i>Biochemistry</i> , 2018, 57, 66-71. | 1.2 | 6         |
| 28 | Structure and dynamics conspire in the evolution of affinity between intrinsically disordered proteins. <i>Science Advances</i> , 2018, 4, eaau4130.  | 4.7 | 38        |
| 29 | Efficient Stereospecific H <sup>2</sup> /3 NMR Assignment Strategy for Mid-Size Proteins. <i>Magnetochemistry</i> , 2018, 4, 25.  | 1.0 | 7         |
| 30 | Extending the Applicability of Exact Nuclear Overhauser Enhancements to Large Proteins and RNA. <i>ChemBioChem</i> , 2018, 19, 1695-1701.   | 1.3 | 15        |
| 31 | High-resolution small RNA structures from exact nuclear Overhauser enhancement measurements without additional restraints. <i>Communications Biology</i> , 2018, 1, 61.   | 2.0 | 23        |
| 32 | Correlated motions of C <sup>2</sup> -N and C <sup>1</sup> -C <sup>2</sup> pairs in protonated and per-deuterated GB3. <i>Journal of Biomolecular NMR</i> , 2018, 72, 39-54.  | 1.6 | 5         |
| 33 | Cross-correlated relaxation rates between protein backbone H-X dipolar interactions. <i>Journal of Biomolecular NMR</i> , 2017, 67, 211-232.  | 1.6 | 9         |
| 34 | eNORA2 Exact NOE Analysis Program. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 4336-4346.   | 2.3 | 32        |
| 35 | Detection of Correlated Protein Backbone and Side-Chain Angle Fluctuations. <i>ChemBioChem</i> , 2017, 18, 2016-2021.   | 1.3 | 5         |
| 36 | The Exact Nuclear Overhauser Enhancement: Recent Advances. <i>Molecules</i> , 2017, 22, 1176.   | 1.7 | 26        |

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|----|--|-----|-----------|
| 37 | Enzyme Selectivity Fine-tuned through Dynamic Control of a Loop. <i>Angewandte Chemie</i> , 2016, 128, 3148-3152.  | 1.6 | 1         |
| 38 | Enzyme Selectivity Fine-tuned through Dynamic Control of a Loop. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3096-3100.   | 7.2 | 13        |
| 39 | The Dynamic Basis for Signal Propagation in Human Pin1-WW. <i>Structure</i> , 2016, 24, 1464-1475.   | 1.6 | 20        |
| 40 | Direct Investigation of Slow Correlated Dynamics in Proteins via Dipolar Interactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 8412-8421.   | 6.6 | 19        |
| 41 | The Exact NOE as an Alternative in Ensemble Structure Determination. <i>Biophysical Journal</i> , 2016, 110, 113-126.  | 0.2 | 39        |
| 42 | Compiled data set of exact NOE distance limits, residual dipolar couplings and scalar couplings for the protein GB3. <i>Data in Brief</i> , 2015, 5, 99-106.   | 0.5 | 11        |
| 43 | A Structural Ensemble for the Enzyme Cyclophilin Reveals an Orchestrated Mode of Action at Atomic Resolution. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11657-11661.                    | 7.2 | 30        |
| 44 | Solution NMR Studies of Recombinant $\beta_2$ (1 $\alpha$ 42): From the Presence of a Micellar Entity to Residual $\beta$ -Sheet Structure in the Soluble Species. <i>ChemBioChem</i> , 2015, 16, 659-669. | 1.3 | 42        |
| 45 | Extending the eNOE data set of large proteins by evaluation of NOEs with unresolved diagonals. <i>Journal of Biomolecular NMR</i> , 2015, 62, 63-69.   | 1.6 | 23        |
| 46 | The experimental accuracy of the uni-directional exact NOE. <i>Journal of Magnetic Resonance</i> , 2015, 259, 32-46.   | 1.2 | 17        |
| 47 | Complementarity and congruence between exact NOEs and traditional NMR probes for spatial decoding of protein dynamics. <i>Journal of Structural Biology</i> , 2015, 191, 306-317.                          | 1.3 | 19        |
| 48 | Intermolecular Detergent-Membrane Protein NOEs for the Characterization of the Dynamics of Membrane Protein-Detergent Complexes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14288-14301.          | 1.2 | 5         |
| 49 | The nuclear Overhauser effect from a quantitative perspective. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2014, 78, 1-46.  | 3.9 | 115       |
| 50 | Towards a true protein movie: A perspective on the potential impact of the ensemble-based structure determination using exact NOEs. <i>Journal of Magnetic Resonance</i> , 2014, 241, 53-59.               | 1.2 | 31        |
| 51 | The Structure of Mouse Cytomegalovirus m04 Protein Obtained from Sparse NMR Data Reveals a Conserved Fold of the m02-m06 Viral Immune Modulator Family. <i>Structure</i> , 2014, 22, 1263-1273.            | 1.6 | 23        |
| 52 | Multiple-state ensemble structure determination from eNOE spectroscopy. <i>Molecular Physics</i> , 2013, 111, 437-454.   | 0.8 | 28        |
| 53 | Stereospecific assignments in proteins using exact NOEs. <i>Journal of Biomolecular NMR</i> , 2013, 57, 211-218.   | 1.6 | 16        |
| 54 | Full relaxation matrix analysis of apparent cross-correlated relaxation rates in four-spin systems. <i>Journal of Magnetic Resonance</i> , 2013, 226, 52-63.   | 1.2 | 3         |

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|----|---|-----|-----------|
| 55 | Relaxation Matrix Analysis of Spin Diffusion for the NMR Structure Calculation with eNOEs. Journal of Chemical Theory and Computation, 2012, 8, 3483-3492.  | 2.3 | 47        |
| 56 | Discrete Three-dimensional Representation of Macromolecular Motion from eNOE-based Ensemble Calculation. Chimia, 2012, 66, 787.   | 0.3 | 10        |
| 57 | Spatial elucidation of motion in proteins by ensemble-based structure calculation using exact NOEs. Nature Structural and Molecular Biology, 2012, 19, 1053-1057.   | 3.6 | 92        |
| 58 | Temperature Dependence of $^1\text{H}$ - $^1\text{H}$ Distances in Ubiquitin As Studied by Exact Measurements of NOEs. Journal of Physical Chemistry B, 2011, 115, 7648-7660.   | 1.2 | 16        |
| 59 | How uniform is the peptide plane geometry? A high-accuracy NMR study of dipolar $^1\text{C}$ - $^1\text{H}$ cross-correlated relaxation. Journal of Biomolecular NMR, 2011, 50, 315-329.  | 1.6 | 8         |
| 60 | Side chain: backbone projections in aromatic and ASX residues from NMR cross-correlated relaxation. Journal of Biomolecular NMR, 2010, 46, 135-147.   | 1.6 | 9         |
| 61 | Quantitative determination of NOE rates in perdeuterated and protonated proteins: Practical and theoretical aspects. Journal of Magnetic Resonance, 2010, 204, 290-302.   | 1.2 | 32        |
| 62 | Comprehensive description of NMR cross-correlated relaxation under anisotropic molecular tumbling and correlated local dynamics on all time scales. Journal of Chemical Physics, 2010, 133, 014501.                               | 1.2 | 20        |
| 63 | Correlated Dynamics between Protein HN and HC Bonds Observed by NMR Cross Relaxation. Journal of the American Chemical Society, 2009, 131, 3668-3678.   | 6.6 | 39        |
| 64 | Exact Distances and Internal Dynamics of Perdeuterated Ubiquitin from NOE Buildups. Journal of the American Chemical Society, 2009, 131, 17215-17225.   | 6.6 | 91        |
| 65 | Protein backbone motions viewed by intraresidue and sequential $^1\text{H}$ - $^1\text{H}$ residual dipolar couplings. Journal of Biomolecular NMR, 2008, 41, 17-28.  | 1.6 | 27        |
| 66 | NMR Determination of Amide $^1\text{N}$ - $^1\text{H}$ Equilibrium Bond Length from Concerted Dipolar Coupling Measurements. Journal of the American Chemical Society, 2008, 130, 16518-16520.                                    | 6.6 | 98        |
| 67 | Simultaneous NMR Study of Protein Structure and Dynamics Using Conservative Mutagenesis. Journal of Physical Chemistry B, 2008, 112, 6045-6056.   | 1.2 | 87        |
| 68 | Limits on Variations in Protein Backbone Dynamics from Precise Measurements of Scalar Couplings. Journal of the American Chemical Society, 2007, 129, 9377-9385.  | 6.6 | 127       |
| 69 | Spin-State Selective Carbon-Detected HNC0 with TROSY Optimization in All Dimensions and Double Echo Antiecho Sensitivity Enhancement in Both Indirect Dimensions. Journal of the American Chemical Society, 2007, 129, 5484-5491. | 6.6 | 21        |
| 70 | Structure and dynamics of a molten globular enzyme. Nature Structural and Molecular Biology, 2007, 14, 1202-1206.   | 3.6 | 102       |
| 71 | Interference between transverse cross-correlated relaxation and longitudinal relaxation affects apparent J-coupling and transverse cross-correlated relaxation. Chemical Physics Letters, 2006, 423, 123-125.                     | 1.2 | 4         |
| 72 | $^{13}\text{C}$ -detected HN(CA)C and HMCMC experiments using a single methyl-reprotonated sample for unambiguous methyl resonance assignment. Journal of Biomolecular NMR, 2006, 36, 259-266.                                    | 1.6 | 4         |

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|----|--|-----|-----------|
| 73 | Measuring $^1\text{H}$ - $^1\text{H}$ and $^1\text{H}$ - $^{13}\text{C}$ RDCs in methyl groups: example of pulse sequences with numerically optimized coherence transfer schemes. <i>Journal of Magnetic Resonance</i> , 2005, 172, 36-47.                                   | 1.2 | 3         |
| 74 | Side-chain H and C resonance assignment in protonated/partially deuterated proteins using an improved 3D $^{13}\text{C}$ -detected HCC-TOCSY. <i>Journal of Magnetic Resonance</i> , 2005, 174, 200-208.   | 1.2 | 9         |
| 75 | Simultaneous $^1\text{H}$ - or $^2\text{H}$ -, $^{15}\text{N}$ - and multiple-band-selective $^{13}\text{C}$ -decoupling during acquisition in $^{13}\text{C}$ -detected experiments with proteins and oligonucleotides. <i>Journal of Biomolecular NMR</i> , 2005, 31, 1-9. | 1.6 | 24        |
| 76 | Detection of $^2\text{D}$ , $^1\text{H}$ correlations in proteins using a new time- and sensitivity-optimal experiment. <i>Journal of Biomolecular NMR</i> , 2005, 31, 273-278.  | 1.6 | 33        |
| 77 | An enzymatic molten globule: Efficient coupling of folding and catalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12860-12864.   | 3.3 | 128       |
| 78 | Measurements of Side-Chain $^{13}\text{C}$ Residual Dipolar Couplings in Uniformly Deuterated Proteins. <i>Journal of the American Chemical Society</i> , 2004, 126, 2414-2420.  | 6.6 | 23        |
| 79 | Observation of Individual Transitions in Magnetically Equivalent Spin Systems. <i>Journal of the American Chemical Society</i> , 2003, 125, 9566-9567.   | 6.6 | 10        |
| 80 | Longitudinal $^1\text{H}$ Relaxation Optimization in TROSY NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2002, 124, 12898-12902.   | 6.6 | 166       |
| 81 | TROSY experiment for refinement of backbone $\psi$ and $\phi$ by simultaneous measurements of cross-correlated relaxation rates and $^3,4\text{J}(\text{H}\alpha\text{HN})$ coupling constants. <i>Journal of Biomolecular NMR</i> , 2002, 24, 291-300.                      | 1.6 | 13        |