Harald J Schwalbe

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Folding dynamics of polymorphic <scp>Gâ€quadruplex</scp> structures. Biopolymers, 2022, 113, e23477.	2.4	26
2	Solidâ€Phase‣upported Chemoenzymatic Synthesis of a Lightâ€Activatable tRNA Derivative. Angewandte Chemie - International Edition, 2022, 61, .	13.8	10
3	Mapping the conformational landscape of the neutral network of RNA sequences that connect two functional distinctly different ribozymes. ChemBioChem, 2022, , .	2.6	2
4	Structural analysis of temperature-dependent alternative splicing of HsfA2 pre-mRNA from tomato plants. RNA Biology, 2022, 19, 266-278.	3.1	6
5	Deterministic insights into co-transcriptional folding of cyclic-di-nucleotide riboswitches. Biophysical Journal, 2022, 121, 310a.	0.5	0
6	1H, 13C and 15N chemical shift assignment of the stem-loops 5b + c from the 5′-UTR of SARS-CoV-2. Biomolecular NMR Assignments, 2022, , 1.	0.8	0
7	Oxidation of the <i>Mycobacterium tuberculosis</i> key virulence factor protein tyrosine phosphatase A (MptpA) reduces its phosphatase activity. FEBS Letters, 2022, 596, 1503-1515.	2.8	2
8	Randomizing of Oligopeptide Conformations by Nearest Neighbor Interactions between Amino Acid Residues. Biomolecules, 2022, 12, 684.	4.0	3
9	The cotranscriptional folding landscape for two cyclic di-nucleotide-sensing riboswitches with highly homologous aptamer domains acting either as ON- or OFF-switches. Nucleic Acids Research, 2022, 50, 6639-6655.	14.5	7
10	Binding Adaptation of GS-441524 Diversifies Macro Domains and Downregulates SARS-CoV-2 de-MARylation Capacity. Journal of Molecular Biology, 2022, 434, 167720.	4.2	6
11	Solution structure of the voltage-gated Tim23 channel in complex with a mitochondrial presequence peptide. Cell Research, 2021, 31, 821-824.	12.0	9
12	In ell NMR Spectroscopy of Functional Riboswitch Aptamers in Eukaryotic Cells. Angewandte Chemie - International Edition, 2021, 60, 865-872.	13.8	19
13	Biological functions, genetic and biochemical characterization, and NMR structure determination of the small zinc finger protein HVO_2753 from <i>Haloferax volcanii</i> . FEBS Journal, 2021, 288, 2042-2062.	4.7	10
14	1H, 13C, and 15N backbone chemical shift assignments of coronavirus-2 non-structural protein Nsp10. Biomolecular NMR Assignments, 2021, 15, 65-71.	0.8	6
15	1H, 13C, and 15N backbone chemical shift assignments of the C-terminal dimerization domain of SARS-CoV-2 nucleocapsid protein. Biomolecular NMR Assignments, 2021, 15, 129-135.	0.8	25
16	1H,13C and 15N chemical shift assignments of the SUD domains of SARS-CoV-2 non-structural protein 3c: "the N-terminal domain-SUD-N― Biomolecular NMR Assignments, 2021, 15, 85-89.	0.8	4
17	In ell NMR Spectroscopy of Functional Riboswitch Aptamers in Eukaryotic Cells. Angewandte Chemie, 2021, 133, 878-885.	2.0	6
18	¹⁹ F NMRâ€Based Fragment Screening for 14 Different Biologically Active RNAs and 10 DNA and Protein Counterâ€Screens. ChemBioChem, 2021, 22, 423-433.	2.6	19

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19	1H, 13C and 15N chemical shift assignment of the stem-loop 5a from the 5′-UTR of SARS-CoV-2. Biomolecular NMR Assignments, 2021, 15, 203-211.	0.8	7
20	1H, 13C and 15N backbone chemical shift assignments of SARS-CoV-2 nsp3a. Biomolecular NMR Assignments, 2021, 15, 173-176.	0.8	5
21	Short Arginine-Based Peptides As Predictors for the Extended Structure of Polyarginine Sequences in Intrinsically Disordered Proteins. Biophysical Journal, 2021, 120, 99a-100a.	0.5	0
22	Short peptides as predictors for the structure ofÂpolyarginine sequences in disordered proteins. Biophysical Journal, 2021, 120, 662-676.	0.5	14
23	Backbone chemical shift spectral assignments of SARS coronavirus-2 non-structural protein nsp9. Biomolecular NMR Assignments, 2021, 15, 235-241.	0.8	9

1H, 13C, and 15N backbone chemical-shift assignments of SARS-CoV-2 non-structural protein 1 (leader) Tj ETQq0 0.0 rgBT /Qverlock 10

25	Synthesis and in Vitro Evaluation of Novel 5â€Nitroindole Derivatives as câ€Myc Gâ€Quadruplex Binders with Anticancer Activity. ChemMedChem, 2021, 16, 1667-1679.	3.2	4
26	High complexity of Glutamine synthetase regulation in <i>Methanosarcina mazei</i> : Small protein 26 interacts and enhances glutamine synthetase activity. FEBS Journal, 2021, 288, 5350-5373.	4.7	15
27	3D Heteronuclear Magnetization Transfers for the Establishment of Secondary Structures in SARS-CoV-2-Derived RNAs. Journal of the American Chemical Society, 2021, 143, 4942-4948.	13.7	8
28	The Folding Landscapes of Human Telomeric RNA and DNA Gâ€Quadruplexes are Markedly Different. Angewandte Chemie - International Edition, 2021, 60, 10895-10901.	13.8	13
29	Unraveling the Kinetics of Spare-Tire DNA G-Quadruplex Folding. Journal of the American Chemical Society, 2021, 143, 6185-6193.	13.7	17
30	1H, 13C, 15N and 31P chemical shift assignment for stem-loop 4 from the 5′-UTR of SARS-CoV-2. Biomolecular NMR Assignments, 2021, 15, 335-340.	0.8	7
31	The Folding Landscapes of Human Telomeric RNA and DNA Gâ€Quadruplexes are Markedly Different. Angewandte Chemie, 2021, 133, 10990-10996.	2.0	5
32	Magnetization Transfer to Enhance NOE Crossâ€Peaks among Labile Protons: Applications to Imino–Imino Sequential Walks in SARSâ€CoVâ€2â€Derived RNAs. Angewandte Chemie, 2021, 133, 11991-1199	9 8 .0	7
33	Magnetization Transfer to Enhance NOE Crossâ€Peaks among Labile Protons: Applications to Imino–Imino Sequential Walks in SARSâ€CoVâ€2â€Derived RNAs. Angewandte Chemie - International Edition, 2021, 60, 11884-11891.	13.8	11
34	Large-Scale Recombinant Production of the SARS-CoV-2 Proteome for High-Throughput and Structural Biology Applications. Frontiers in Molecular Biosciences, 2021, 8, 653148.	3.5	29
35	Nano-Differential Scanning Fluorimetry for Screening in Fragment-based Lead Discovery. Journal of Visualized Experiments, 2021, , .	0.3	3
36	Real-time nuclear magnetic resonance spectroscopy in the study of biomolecular kinetics and dynamics. Magnetic Resonance, 2021, 2, 291-320.	1.9	4

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37	NMR-based Fragment Screening in a Minimum Sample but Maximum Automation Mode. Journal of Visualized Experiments, 2021, , .	0.3	3
38	NMR structure of the <i>Vibrio vulnificus</i> ribosomal protein S1 domains D3 and D4 provides insights into molecular recognition of single-stranded RNAs. Nucleic Acids Research, 2021, 49, 7753-7764.	14.5	5
39	Wavelength-Selective Uncaging of Two Different Photoresponsive Groups on One Effector Molecule for Light-Controlled Activation and Deactivation. Journal of the American Chemical Society, 2021, 143, 10596-10603.	13.7	26
40	Insights from Binding on Quadruplex Selective Carbazole Ligands. Chemistry - A European Journal, 2021, 27, 12726-12736.	3.3	17
41	Switching at the ribosome: riboswitches need rProteins as modulators to regulate translation. Nature Communications, 2021, 12, 4723.	12.8	17
42	1H, 13C and 15N assignment of stem-loop SL1 from the 5'-UTR of SARS-CoV-2. Biomolecular NMR Assignments, 2021, 15, 467-474.	0.8	4
43	Exploring the Druggability of Conserved RNA Regulatory Elements in the SARS oVâ€2 Genome. Angewandte Chemie, 2021, 133, 19340-19349.	2.0	5
44	Exploring the Druggability of Conserved RNA Regulatory Elements in the SARS oVâ€2 Genome. Angewandte Chemie - International Edition, 2021, 60, 19191-19200.	13.8	55
45	Oxidative Folding of Proteins: The "Smoking Gun―of Glutathione. International Journal of Molecular Sciences, 2021, 22, 10148.	4.1	4
46	Frontispiece: Insights from Binding on Quadruplex Selective Carbazole Ligands. Chemistry - A European Journal, 2021, 27, .	3.3	0
47	1H,13C and 15N chemical shift assignments of the SUD domains of SARS-CoV-2 non-structural protein 3c: "The SUD-M and SUD-C domains― Biomolecular NMR Assignments, 2021, 15, 165-171.	0.8	4
48	Parallel reaction pathways accelerate folding of a guanine quadruplex. Nucleic Acids Research, 2021, 49, 1247-1262.	14.5	11
49	Repeating Aspartic Acid Residues Prefer Turn-like Conformations in the Unfolded State: Implications for Early Protein Folding. Journal of Physical Chemistry B, 2021, 125, 11392-11407.	2.6	8
50	The Transcriptional Repressor Orphan Nuclear Receptor TLX Is Responsive to Xanthines. ACS Pharmacology and Translational Science, 2021, 4, 1794-1807.	4.9	7
51	Structure and Dynamics of the Guanidineâ€II Riboswitch from Escherichia coli by NMR Spectroscopy and Smallâ€angle Xâ€ray Scattering (SAXS). ChemBioChem, 2021, , .	2.6	5
52	iNEXT-Discovery and Instruct-ERIC: Integrating High-End Services for Translational Research in Structural Biology. Journal of Visualized Experiments, 2021, , .	0.3	0
53	The Extended Hadamard Transform: Sensitivityâ€Enhanced NMR Experiments Among Labile and Nonâ€Labile 1 Hs of SARSâ€CoVâ€2â€derived RNAs. ChemPhysChem, 2021, , .	2.1	2
54	Mechanistic and structural diversity between cytochrome <i>bd</i> isoforms of <i>Escherichia coli</i> . Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15

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55	Metabolic Rewiring Is Essential for AML Cell Survival to Overcome Autophagy Inhibition by Loss of ATG3. Cancers, 2021, 13, 6142.	3.7	5
56	Short-chain aurachin D derivatives are selective inhibitors of E.Âcoli cytochrome bd-I and bd-II oxidases. Scientific Reports, 2021, 11, 23852.	3.3	6
57	Solution Structure and Dynamics of the Small Protein HVO_2922 from Haloferax volcanii. ChemBioChem, 2020, 21, 149-156.	2.6	9
58	More than Proton Detection—New Avenues for NMR Spectroscopy of RNA. Chemistry - A European Journal, 2020, 26, 102-113.	3.3	22
59	Genetic Code Expansion Facilitates Position elective Labeling of RNA for Biophysical Studies. Chemistry - A European Journal, 2020, 26, 1800-1810.	3.3	10
60	Rapid Biophysical Characterization and NMR Spectroscopy Structural Analysis of Small Proteins from Bacteria and Archaea. ChemBioChem, 2020, 21, 1178-1187.	2.6	24
61	Realâ€Time NMR Spectroscopy for Studying Metabolism. Angewandte Chemie - International Edition, 2020, 59, 2304-2308.	13.8	31
62	Conformational Dynamics of Strand Register Shifts in DNA G-Quadruplexes. Journal of the American Chemical Society, 2020, 142, 264-273.	13.7	23
63	Realâ€Time NMR Spectroscopy for Studying Metabolism. Angewandte Chemie, 2020, 132, 2324-2328.	2.0	9
64	NMR Spectroscopy of Large Functional RNAs: From Sample Preparation to Lowâ€Gamma Detection. Current Protocols in Nucleic Acid Chemistry, 2020, 82, e116.	0.5	9
65	Sensitivity enhancement of homonuclear multidimensional NMR correlations for labile sites in proteins, polysaccharides, and nucleic acids. Nature Communications, 2020, 11, 5317.	12.8	20
66	Quantitative modeling of the function of kinetically driven transcriptional riboswitches. Journal of Theoretical Biology, 2020, 506, 110406.	1.7	0
67	Site-specific dynamic nuclear polarization in a Gd(iii)-labeled protein. Physical Chemistry Chemical Physics, 2020, 22, 25455-25466.	2.8	15
68	Anti-tyrosinase, anti-cholinesterase and cytotoxic activities of extracts and phytochemicals from the Tunisian Citharexylum spinosum L.: Molecular docking and SAR analysis. Bioorganic Chemistry, 2020, 102, 104093.	4.1	13
69	Metabolic Plasticity Is an Essential Requirement of Acquired Tyrosine Kinase Inhibitor Resistance in Chronic Myeloid Leukemia. Cancers, 2020, 12, 3443.	3.7	4
70	Secondary structure determination of conserved SARS-CoV-2 RNA elements by NMR spectroscopy. Nucleic Acids Research, 2020, 48, 12415-12435.	14.5	125
71	Refolding of Coldâ€Denatured Barstar Induced by Radioâ€Frequency Heating: A New Method to Study Protein Folding by Realâ€Time NMR Spectroscopy. Angewandte Chemie, 2020, 132, 22270-22275.	2.0	0
72	Refolding of Coldâ€Denatured Barstar Induced by Radioâ€Frequency Heating: A New Method to Study Protein Folding by Realâ€Time NMR Spectroscopy. Angewandte Chemie - International Edition, 2020, 59, 22086-22091.	13.8	8

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73	NMR Spectroscopic Characterization of the Câ€Mannose Conformation in a Thrombospondin Repeat Using a Selective Labeling Approach. Angewandte Chemie - International Edition, 2020, 59, 20659-20665.	13.8	12
74	1H, 13C, and 15N backbone chemical shift assignments of the apo and the ADP-ribose bound forms of the macrodomain of SARS-CoV-2 non-structural protein 3b. Biomolecular NMR Assignments, 2020, 14, 339-346.	0.8	14
75	Light Dynamics of the Retinalâ€Diseaseâ€Relevant G90D Bovine Rhodopsin Mutant. Angewandte Chemie, 2020, 132, 15786-15794.	2.0	2
76	Trendbericht Biochemie: Strukturbiologie von Sarsâ€Covâ€2 mit NMRâ€Spektroskopie. Nachrichten Aus Der Chemie, 2020, 68, 55-58.	0.0	0
77	NMR Spectroscopic Characterization of the Câ€Mannose Conformation in a Thrombospondin Repeat Using a Selective Labeling Approach. Angewandte Chemie, 2020, 132, 20840-20846.	2.0	3
78	1H, 13C, and 15N backbone chemical shift assignments of the nucleic acid-binding domain of SARS-CoV-2 non-structural protein 3e. Biomolecular NMR Assignments, 2020, 14, 329-333.	0.8	7
79	Cysteine oxidation and disulfide formation in the ribosomal exit tunnel. Nature Communications, 2020, 11, 5569.	12.8	26
80	The Pyrazolo[3,4-d]pyrimidine-Based Kinase Inhibitor NVP-BHG712: Effects of Regioisomers on Tumor Growth, Perfusion, and Hypoxia in EphB4-Positive A375 Melanoma Xenografts. Molecules, 2020, 25, 5115.	3.8	3
81	Non-Invasive Measurement of Drug and 2-HG Signals Using 19F and 1H MR Spectroscopy in Brain Tumors Treated with the Mutant IDH1 Inhibitor BAY1436032. Cancers, 2020, 12, 3175.	3.7	8
82	The conformational landscape of transcription intermediates involved in the regulation of the ZMP-sensing riboswitch from Thermosinus carboxydivorans. Nucleic Acids Research, 2020, 48, 6970-6979.	14.5	16
83	Structural basis for the recognition of transiently structured AU-rich elements by Roquin. Nucleic Acids Research, 2020, 48, 7385-7403.	14.5	6
84	NMR quality control of fragment libraries for screening. Journal of Biomolecular NMR, 2020, 74, 555-563.	2.8	23
85	Genetic Code Expansion Facilitates Positionâ€Selective Modification of Nucleic Acids and Proteins. ChemPlusChem, 2020, 85, 1233-1243.	2.8	1
86	Synthesis and Biological Screening of New Lawson Derivatives as Selective Substrateâ€Based Inhibitors of Cytochromebo3Ubiquinol Oxidase fromEscherichia coli. ChemMedChem, 2020, 15, 1262-1271.	3.2	5
87	Site-Specific Detection of Arginine Methylation in Highly Repetitive Protein Motifs of Low Sequence Complexity by NMR. Journal of the American Chemical Society, 2020, 142, 7647-7654.	13.7	4
88	Refolding through a Linear Transition State Enables Fast Temperature Adaptation of a Translational Riboswitch. Biochemistry, 2020, 59, 1081-1086.	2.5	11
89	Light Dynamics of the Retinalâ€Diseaseâ€Relevant G90D Bovine Rhodopsin Mutant. Angewandte Chemie - International Edition, 2020, 59, 15656-15664.	13.8	5
90	Frontispiece: More than Proton Detection—New Avenues for NMR Spectroscopy of RNA. Chemistry - A European Journal, 2020, 26, .	3.3	0

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91	Nearest Neighbor Effects in Homopeptide Segments of Short Peptides Explored by Circular Dichroism and NMR Spectroscopy. Biophysical Journal, 2020, 118, 62a-63a.	0.5	0
92	<i>In situ</i> formation of transcriptional modulators using non-canonical DNA i-motifs. Chemical Science, 2020, 11, 2058-2067.	7.4	18
93	Structure Validation of Gâ€Rich RNAs in Noncoding Regions of the Human Genome. ChemBioChem, 2020, 21, 1656-1663.	2.6	16
94	A 300-fold enhancement of imino nucleic acid resonances by hyperpolarized water provides a new window for probing RNA refolding by 1D and 2D NMR. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2449-2455.	7.1	29
95	Structural rearrangement of amyloid-β upon inhibitor binding suppresses formation of Alzheimer's disease related oligomers. ELife, 2020, 9, .	6.0	20
96	Functional implications of MIR domains in protein O-mannosylation. ELife, 2020, 9, .	6.0	3
97	Modular, triple-resonance, transmission line DNP MAS probe for 500 MHz/330 GHz. Journal of Magnetic Resonance, 2019, 307, 106573.	2.1	2
98	(±)-Alternarlactones A and B, Two Antiparasitic Alternariol-like Dimers from the Fungus Alternaria alternata P1210 Isolated from the Halophyte Salicornia sp Journal of Organic Chemistry, 2019, 84, 11203-11209.	3.2	17
99	Metabolic Plasticity of Acute Myeloid Leukemia. Cells, 2019, 8, 805.	4.1	103
100	Molecular tuning of farnesoid X receptor partial agonism. Nature Communications, 2019, 10, 2915.	12.8	71
101	Identification of Eph receptor signaling as a regulator of autophagy and a therapeutic target in colorectal carcinoma. Molecular Oncology, 2019, 13, 2441-2459.	4.6	11
102	C-Quadruplex-Specific Cell-Permeable Guanosine–Anthracene Conjugate Inhibits Telomere Elongation and Induces Apoptosis by Repressing the <i>c-MYC</i> Gene. Bioconjugate Chemistry, 2019, 30, 3038-3045.	3.6	7
103	Paramagnetic-iterative relaxation matrix approach: extracting PRE-restraints from NOESY spectra for 3D structure elucidation of biomolecules. Journal of Biomolecular NMR, 2019, 73, 699-712.	2.8	9
104	Novel ¹³ Câ€detected NMR Experiments for the Precise Detection of RNA Structure. Angewandte Chemie - International Edition, 2019, 58, 9140-9144.	13.8	13
105	Novel 13 Câ€detected NMR Experiments for the Precise Detection of RNA Structure. Angewandte Chemie, 2019, 131, 9238-9242.	2.0	1
106	"CodonWizard―– An intuitive software tool with graphical user interface for customizable codon optimization in protein expression efforts. Protein Expression and Purification, 2019, 160, 84-93.	1.3	15
107	Evaluating mechanical properties of silica-coated alginate beads for immobilized biocatalysis. Biochemical Engineering Journal, 2019, 141, 225-231.	3.6	8
108	Combined smFRET and NMR analysis of riboswitch structural dynamics. Methods, 2019, 153, 22-34.	3.8	8

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109	Life times of metastable states guide regulatory signaling in transcriptional riboswitches. Nature Communications, 2018, 9, 944.	12.8	46
110	Georatusin, a Specific Antiparasitic Polyketide–Peptide Hybrid from the Fungus <i>Geomyces auratus</i> . Organic Letters, 2018, 20, 1563-1567.	4.6	12
111	Structural characterization of the intrinsically disordered domain of Mycobacterium tuberculosis protein tyrosine kinase A. FEBS Letters, 2018, 592, 1233-1245.	2.8	5
112	Structural Characterization of the Interaction of the Fibroblast Growth Factor Receptor with a Small Molecule Allosteric Inhibitor. Chemistry - A European Journal, 2018, 24, 7861-7865.	3.3	8
113	Human Telomeric G-Quadruplex Selective Fluoro-Isoquinolines Induce Apoptosis in Cancer Cells. Bioconjugate Chemistry, 2018, 29, 1141-1154.	3.6	22
114	The molecular basis of subtype selectivity of human kinin G-protein-coupled receptors. Nature Chemical Biology, 2018, 14, 284-290.	8.0	74
115	A New Photocaged Puromycin for an Efficient Labeling of Newly Translated Proteins in Living Neurons. ChemBioChem, 2018, 19, 2458-2464.	2.6	21
116	Identification of primary and secondary metabolites and transcriptome profile of soybean tissues during different stages of hypoxia. Data in Brief, 2018, 21, 1089-1100.	1.0	9
117	Optimal Destabilization of DNA Double Strands by Singleâ€Nucleobase Caging. Chemistry - A European Journal, 2018, 24, 17568-17576.	3.3	15
118	Targeting RNA structure in SMN2 reverses spinal muscular atrophy molecular phenotypes. Nature Communications, 2018, 9, 2032.	12.8	60
119	<scp>iNEXT</scp> : a European facility network to stimulate translational structural biology. FEBS Letters, 2018, 592, 1909-1917.	2.8	4
120	Flooded soybean metabolomic analysis reveals important primary and secondary metabolites involved in the hypoxia stress response and tolerance. Environmental and Experimental Botany, 2018, 153, 176-187.	4.2	49
121	Cell penetrating thiazole peptides inhibit c-MYC expression via site-specific targeting of c-MYC G-quadruplex. Nucleic Acids Research, 2018, 46, 5355-5365.	14.5	78
122	NVPâ€BHG712: Effects of Regioisomers on the Affinity and Selectivity toward the EPHrin Family. ChemMedChem, 2018, 13, 1629-1633.	3.2	20
123	Modulation of the Allosteric Communication between the Polo-Box Domain and the Catalytic Domain in Plk1 by Small Compounds. ACS Chemical Biology, 2018, 13, 1921-1931.	3.4	12
124	On the Implication of Water on Fragmentâ€ŧo‣igand Growth in Kinase Binding Thermodynamics. ChemMedChem, 2018, 13, 1988-1996.	3.2	8
125	Chemoâ€Enzymatic Synthesis of Positionâ€Specifically Modified RNA for Biophysical Studies including Light Control and NMR Spectroscopy. Angewandte Chemie, 2018, 130, 12193-12197.	2.0	12
126	Chemoâ€Enzymatic Synthesis of Positionâ€Specifically Modified RNA for Biophysical Studies including Light Control and NMR Spectroscopy. Angewandte Chemie - International Edition, 2018, 57, 12017-12021.	13.8	40

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127	Improved high-yield expression, purification and refolding of recombinant mammalian prion proteins under aerosol-free elevated biological safety conditions. Protein Expression and Purification, 2018, 150, 53-60.	1.3	1
128	Investigations on the mode of action of gephyronic acid, an inhibitor of eukaryotic protein translation from myxobacteria. PLoS ONE, 2018, 13, e0201605.	2.5	10
129	Conformational switch in the ribosomal protein S1 guides unfolding of structured RNAs for translation initiation. Nucleic Acids Research, 2018, 46, 10917-10929.	14.5	11
130	Paradoxically, Most Flexible Ligand Binds Most Entropy-Favored: Intriguing Impact of Ligand Flexibility and Solvation on Drug–Kinase Binding. Journal of Medicinal Chemistry, 2018, 61, 5922-5933.	6.4	36
131	The domain architecture of PtkA, the first tyrosine kinase from Mycobacterium tuberculosis, differs from the conventional kinase architecture. Journal of Biological Chemistry, 2018, 293, 11823-11836.	3.4	7
132	Targeting G-quadruplex with Small Molecules: An NMR View. , 2018, , 2189-2210.		2
133	Protein Misfolding. , 2018, , 2253-2268.		0
134	NMR Structural Profiling of Transcriptional Intermediates Reveals Riboswitch Regulation by Metastable RNA Conformations. Journal of the American Chemical Society, 2017, 139, 2647-2656.	13.7	43
135	Exploring the Effects on the Conformational Propensity of Alanine in the Unblocked Tripeptide Glycyl-Analyl-Glycine in Water/Ethanol Mixtures. Biophysical Journal, 2017, 112, 512a.	0.5	0
136	Impact of spin label rigidity on extent and accuracy of distance information from PRE data. Journal of Biomolecular NMR, 2017, 68, 53-63.	2.8	11
137	In vitro production of reactive oxygen species (ROS) by sampangine. Medicinal Chemistry Research, 2017, 26, 1170-1175.	2.4	6
138	Beispiellose Verstäkung von Kohlenstoffsignalen in der Flüssigphasenâ€NMR‧pektroskopie. Angewandte Chemie, 2017, 129, 8448-8450.	2.0	2
139	Probing the Conformation-Dependent Preferential Binding of Ethanol to Cationic Glycylalanylglycine in Water/Ethanol by Vibrational and NMR Spectroscopy. Journal of Physical Chemistry B, 2017, 121, 5744-5758.	2.6	14
140	Conformational dynamics and alignment properties of loop lanthanide-binding-tags (LBTs) studied in interleukin-1β. Journal of Biomolecular NMR, 2017, 68, 187-194.	2.8	8
141	Ligand-modulated folding of the full-length adenine riboswitch probed by NMR and single-molecule FRET spectroscopy. Nucleic Acids Research, 2017, 45, 5512-5522.	14.5	37
142	Solution NMR Structure of a Ligand/Hybridâ€2â€Gâ€Quadruplex Complex Reveals Rearrangements that Affect Ligand Binding. Angewandte Chemie - International Edition, 2017, 56, 7102-7106.	13.8	52
143	Solution NMR Structure of a Ligand/Hybridâ€2â€Câ€Quadruplex Complex Reveals Rearrangements that Affect Ligand Binding. Angewandte Chemie, 2017, 129, 7208-7212.	2.0	20
144	Unprecedented Carbon Signal Enhancement in Liquidâ€State NMR Spectroscopy. Angewandte Chemie - International Edition, 2017, 56, 8332-8334.	13.8	6

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145	Chemoproteomicsâ€Aided Medicinal Chemistry for the Discovery of EPHA2 Inhibitors. ChemMedChem, 2017, 12, 999-1011.	3.2	23
146	Light-induced antibiotic release from a coumarin-caged compound on the ultrafast timescale. Physical Chemistry Chemical Physics, 2017, 19, 14835-14844.	2.8	23
147	Ligand-Directed Conformational Dynamics of the Adenine-Sensing Riboswitch Thermostat. Biophysical Journal, 2017, 112, 368a.	0.5	0
148	Structure and Biosynthesis of Isatropolones, Bioactive Amineâ€Scavenging Fluorescent Natural Products from <i>Streptomyces</i> â€Gö66. Angewandte Chemie - International Edition, 2017, 56, 4945-4949.	13.8	22
149	Impact of Azidohomoalanine Incorporation on Protein Structure and Ligand Binding. ChemBioChem, 2017, 18, 2340-2350.	2.6	21
150	Evaluation of 15N-detected H–N correlation experiments on increasingly large RNAs. Journal of Biomolecular NMR, 2017, 69, 31-44.	2.8	10
151	Editorial: New 1.2 GHz NMR Spectrometers— New Horizons?. Angewandte Chemie - International Edition, 2017, 56, 10252-10253.	13.8	49
152	Editorial: Die neuen 1.2â€GHzâ€NMRâ€Spektrometer und ihr Beitrag zur Forschung. Angewandte Chemie, 2017, 129, 10386-10387.	2.0	4
153	Principles of Chemical Biology: APEX, Cell-Free Enzyme Systems, New Antibiotics, Epigenetic-Membrane Relationship, and Metastable Transcription. Cell Chemical Biology, 2017, 24, 773-774.	5.2	0
154	Interaction of the Nâ€Terminal Tandem Domains of hnRNP LL with the <i>BCL2</i> Promoter iâ€Motif DNA Sequence. ChemBioChem, 2017, 18, 2033-2044.	2.6	18
155	Conserved small mRNA with an unique, extended Shine-Dalgarno sequence. RNA Biology, 2017, 14, 1353-1363.	3.1	3
156	Ligand binding to 2′-deoxyguanosine sensing riboswitch in metabolic context. Nucleic Acids Research, 2017, 45, gkx016.	14.5	9
157	Pausing guides RNA folding to populate transiently stable RNA structures for riboswitch-based transcription regulation. ELife, 2017, 6, .	6.0	48
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