

# Harald J Schwalbe

## List of Publications by Year in descending order

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473  
papers

18,862  
citations

13068

68  
h-index

22764

112  
g-index

551  
all docs

551  
docs citations

551  
times ranked

17067  
citing authors

#	ARTICLE	IF	CITATIONS
1	Folding dynamics of polymorphic $\langle \text{sc} \rangle$ quadruplex structures. <i>Biopolymers</i> , 2022, 113, e23477.	1.2	26
2	Solid-phase-supported Chemoenzymatic Synthesis of a Light-Activatable tRNA Derivative. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
3	Mapping the conformational landscape of the neutral network of RNA sequences that connect two functional distinctly different ribozymes. <i>ChemBioChem</i> , 2022, , .	1.3	2
4	Structural analysis of temperature-dependent alternative splicing of HsfA2 pre-mRNA from tomato plants. <i>RNA Biology</i> , 2022, 19, 266-278.	1.5	6
5	Deterministic insights into co-transcriptional folding of cyclic-di-nucleotide riboswitches. <i>Biophysical Journal</i> , 2022, 121, 310a.	0.2	0
6	$^1\text{H}$ , $^{13}\text{C}$ and $^{15}\text{N}$ chemical shift assignment of the stem-loops 5bâ€™+â€™c from the 5â€™-UTR of SARS-CoV-2. <i>Biomolecular NMR Assignments</i> , 2022, , 1.	0.4	0
7	Oxidation of the <i>Mycobacterium tuberculosis</i> key virulence factor protein tyrosine phosphatase A (MptpA) reduces its phosphatase activity. <i>FEBS Letters</i> , 2022, 596, 1503-1515.	1.3	2
8	Randomizing of Oligopeptide Conformations by Nearest Neighbor Interactions between Amino Acid Residues. <i>Biomolecules</i> , 2022, 12, 684.	1.8	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. <i>Nucleic Acids Research</i> , 2022, 50, 6639-6655.	6.5	7
10	Binding Adaptation of GS-441524 Diversifies Macro Domains and Downregulates SARS-CoV-2 de-MARylation Capacity. <i>Journal of Molecular Biology</i> , 2022, 434, 167720.	2.0	6
11	Solution structure of the voltage-gated Tim23 channel in complex with a mitochondrial presequence peptide. <i>Cell Research</i> , 2021, 31, 821-824.	5.7	9
12	In-cell NMR Spectroscopy of Functional Riboswitch Aptamers in Eukaryotic Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 865-872.	7.2	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> . <i>FEBS Journal</i> , 2021, 288, 2042-2062.	2.2	10
14	$^1\text{H}$ , $^{13}\text{C}$ , and $^{15}\text{N}$ backbone chemical shift assignments of coronavirus-2 non-structural protein Nsp10. <i>Biomolecular NMR Assignments</i> , 2021, 15, 65-71.	0.4	6
15	$^1\text{H}$ , $^{13}\text{C}$ , and $^{15}\text{N}$ backbone chemical shift assignments of the C-terminal dimerization domain of SARS-CoV-2 nucleocapsid protein. <i>Biomolecular NMR Assignments</i> , 2021, 15, 129-135.	0.4	25
16	$^1\text{H}$ , $^{13}\text{C}$ and $^{15}\text{N}$ chemical shift assignments of the SUD domains of SARS-CoV-2 non-structural protein 3c: the N-terminal domain-SUD-N. <i>Biomolecular NMR Assignments</i> , 2021, 15, 85-89.	0.4	4
17	In-cell NMR Spectroscopy of Functional Riboswitch Aptamers in Eukaryotic Cells. <i>Angewandte Chemie</i> , 2021, 133, 878-885.	1.6	6
18	$^{19}\text{F}$ NMR-Based Fragment Screening for 14 Different Biologically Active RNAs and 10 DNA and Protein Counter-screens. <i>ChemBioChem</i> , 2021, 22, 423-433.	1.3	19

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19	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N chemical shift assignment of the stem-loop 5a from the 5'UTR of SARS-CoV-2. <i>Biomolecular NMR Assignments</i> , 2021, 15, 203-211.	0.4	7
20	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N backbone chemical shift assignments of SARS-CoV-2 nsp3a. <i>Biomolecular NMR Assignments</i> , 2021, 15, 173-176.	0.4	5
21	Short Arginine-Based Peptides As Predictors for the Extended Structure of Polyarginine Sequences in Intrinsically Disordered Proteins. <i>Biophysical Journal</i> , 2021, 120, 99a-100a.	0.2	0
22	Short peptides as predictors for the structure of polyarginine sequences in disordered proteins. <i>Biophysical Journal</i> , 2021, 120, 662-676.	0.2	14
23	Backbone chemical shift spectral assignments of SARS coronavirus-2 non-structural protein nsp9. <i>Biomolecular NMR Assignments</i> , 2021, 15, 235-241.	0.4	9
24	<sup>1</sup> H, <sup>13</sup> C, and <sup>15</sup> N backbone chemical-shift assignments of SARS-CoV-2 non-structural protein 1 (leader) Tj ETQq0 0.0 rgBT /Overlock 10	0.4	13
25	Synthesis and in Vitro Evaluation of Novel 5-Nitroindole Derivatives as Myc G-Quadruplex Binders with Anticancer Activity. <i>ChemMedChem</i> , 2021, 16, 1667-1679.	1.6	4
26	High complexity of Glutamine synthetase regulation in <i>Methanosarcina mazei</i> : Small protein 26 interacts and enhances glutamine synthetase activity. <i>FEBS Journal</i> , 2021, 288, 5350-5373.	2.2	15
27	3D Heteronuclear Magnetization Transfers for the Establishment of Secondary Structures in SARS-CoV-2-Derived RNAs. <i>Journal of the American Chemical Society</i> , 2021, 143, 4942-4948.	6.6	8
28	The Folding Landscapes of Human Telomeric RNA and DNA G-Quadruplexes are Markedly Different. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10895-10901.	7.2	13
29	Unraveling the Kinetics of Spare-Tire DNA G-Quadruplex Folding. <i>Journal of the American Chemical Society</i> , 2021, 143, 6185-6193.	6.6	17
30	<sup>1</sup> H, <sup>13</sup> C, <sup>15</sup> N and <sup>31</sup> P chemical shift assignment for stem-loop 4 from the 5'UTR of SARS-CoV-2. <i>Biomolecular NMR Assignments</i> , 2021, 15, 335-340.	0.4	7
31	The Folding Landscapes of Human Telomeric RNA and DNA G-Quadruplexes are Markedly Different. <i>Angewandte Chemie</i> , 2021, 133, 10990-10996.	1.6	5
32	Magnetization Transfer to Enhance NOE Cross-Peaks among Labile Protons: Applications to Imino-Imino Sequential Walks in SARS-CoV-2-Derived RNAs. <i>Angewandte Chemie</i> , 2021, 133, 11991-11998.	1.6	7
33	Magnetization Transfer to Enhance NOE Cross-Peaks among Labile Protons: Applications to Imino-Imino Sequential Walks in SARS-CoV-2-Derived RNAs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11884-11891.	7.2	11
34	Large-Scale Recombinant Production of the SARS-CoV-2 Proteome for High-Throughput and Structural Biology Applications. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 653148.	1.6	29
35	Nano-Differential Scanning Fluorimetry for Screening in Fragment-based Lead Discovery. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	3
36	Real-time nuclear magnetic resonance spectroscopy in the study of biomolecular kinetics and dynamics. <i>Magnetic Resonance</i> , 2021, 2, 291-320.	0.8	4

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37	NMR-based Fragment Screening in a Minimum Sample but Maximum Automation Mode. Journal of Visualized Experiments, 2021, , .	0.2	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.	6.5	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.	6.6	26
40	Insights from Binding on Quadruplex Selective Carbazole Ligands. Chemistry - A European Journal, 2021, 27, 12726-12736.	1.7	17
41	Switching at the ribosome: riboswitches need rProteins as modulators to regulate translation. Nature Communications, 2021, 12, 4723.	5.8	17
42	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N assignment of stem-loop SL1 from the 5'-UTR of SARS-CoV-2. Biomolecular NMR Assignments, 2021, 15, 467-474.	0.4	4
43	Exploring the Druggability of Conserved RNA Regulatory Elements in the SARS-CoV-2 Genome. Angewandte Chemie, 2021, 133, 19340-19349.	1.6	5
44	Exploring the Druggability of Conserved RNA Regulatory Elements in the SARS-CoV-2 Genome. Angewandte Chemie - International Edition, 2021, 60, 19191-19200.	7.2	55
45	Oxidative Folding of Proteins: The "Smoking Gun" of Glutathione. International Journal of Molecular Sciences, 2021, 22, 10148.	1.8	4
46	Frontispiece: Insights from Binding on Quadruplex Selective Carbazole Ligands. Chemistry - A European Journal, 2021, 27, .	1.7	0
47	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N 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.	0.4	4
48	Parallel reaction pathways accelerate folding of a guanine quadruplex. Nucleic Acids Research, 2021, 49, 1247-1262.	6.5	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.	1.2	8
50	The Transcriptional Repressor Orphan Nuclear Receptor TLX Is Responsive to Xanthines. ACS Pharmacology and Translational Science, 2021, 4, 1794-1807.	2.5	7
51	Structure and Dynamics of the Guanidine-H Riboswitch from Escherichia coli by NMR Spectroscopy and Small-Angle X-Ray Scattering (SAXS). ChemBioChem, 2021, , .	1.3	5
52	iNEXT-Discovery and Instruct-ERIC: Integrating High-End Services for Translational Research in Structural Biology. Journal of Visualized Experiments, 2021, , .	0.2	0
53	The Extended Hadamard Transform: Sensitivity-Enhanced NMR Experiments Among Labile and Non-Labile <sup>1</sup> Hs of SARS-CoV-2-derived RNAs. ChemPhysChem, 2021, , .	1.0	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, .	3.3	15

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55	Metabolic Rewiring Is Essential for AML Cell Survival to Overcome Autophagy Inhibition by Loss of ATG3. <i>Cancers</i> , 2021, 13, 6142.	1.7	5
56	Short-chain aurachin D derivatives are selective inhibitors of E.Âcoli cytochrome bd-I and bd-II oxidases. <i>Scientific Reports</i> , 2021, 11, 23852.	1.6	6
57	Solution Structure and Dynamics of the Small Protein HVO_2922 from <i>Haloferax volcanii</i> . <i>ChemBioChem</i> , 2020, 21, 149-156.	1.3	9
58	More than Proton Detectionâ€”New Avenues for NMR Spectroscopy of RNA. <i>Chemistry - A European Journal</i> , 2020, 26, 102-113.	1.7	22
59	Genetic Code Expansion Facilitates Positionâ€Selective Labeling of RNA for Biophysical Studies. <i>Chemistry - A European Journal</i> , 2020, 26, 1800-1810.	1.7	10
60	Rapid Biophysical Characterization and NMR Spectroscopy Structural Analysis of Small Proteins from Bacteria and Archaea. <i>ChemBioChem</i> , 2020, 21, 1178-1187.	1.3	24
61	Realâ€Time NMR Spectroscopy for Studying Metabolism. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2304-2308.	7.2	31
62	Conformational Dynamics of Strand Register Shifts in DNA G-Quadruplexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 264-273.	6.6	23
63	Realâ€Time NMR Spectroscopy for Studying Metabolism. <i>Angewandte Chemie</i> , 2020, 132, 2324-2328.	1.6	9
64	NMR Spectroscopy of Large Functional RNAs: From Sample Preparation to Lowâ€Gamma Detection. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2020, 82, e116.	0.5	9
65	Sensitivity enhancement of homonuclear multidimensional NMR correlations for labile sites in proteins, polysaccharides, and nucleic acids. <i>Nature Communications</i> , 2020, 11, 5317.	5.8	20
66	Quantitative modeling of the function of kinetically driven transcriptional riboswitches. <i>Journal of Theoretical Biology</i> , 2020, 506, 110406.	0.8	0
67	Site-specific dynamic nuclear polarization in a Gd(iii)-labeled protein. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25455-25466.	1.3	15
68	Anti-tyrosinase, anti-cholinesterase and cytotoxic activities of extracts and phytochemicals from the Tunisian <i>Citharexylum spinosum</i> L.: Molecular docking and SAR analysis. <i>Bioorganic Chemistry</i> , 2020, 102, 104093.	2.0	13
69	Metabolic Plasticity Is an Essential Requirement of Acquired Tyrosine Kinase Inhibitor Resistance in Chronic Myeloid Leukemia. <i>Cancers</i> , 2020, 12, 3443.	1.7	4
70	Secondary structure determination of conserved SARS-CoV-2 RNA elements by NMR spectroscopy. <i>Nucleic Acids Research</i> , 2020, 48, 12415-12435.	6.5	125
71	Refolding of Coldâ€Denatured Barstar Induced by Radioâ€Frequency Heating: A New Method to Study Protein Folding by Realâ€Time NMR Spectroscopy. <i>Angewandte Chemie</i> , 2020, 132, 22270-22275.	1.6	0
72	Refolding of Coldâ€Denatured Barstar Induced by Radioâ€Frequency Heating: A New Method to Study Protein Folding by Realâ€Time NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22086-22091.	7.2	8

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73	NMR Spectroscopic Characterization of the $\alpha$ -Mannose Conformation in a Thrombospondin Repeat Using a Selective Labeling Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20659-20665.	7.2	12
74	$^1\text{H}$ , $^{13}\text{C}$ , and $^{15}\text{N}$ backbone chemical shift assignments of the apo and the ADP-ribose bound forms of the macrodomain of SARS-CoV-2 non-structural protein 3b. <i>Biomolecular NMR Assignments</i> , 2020, 14, 339-346.	0.4	14
75	Light Dynamics of the Retinal $\alpha$ -Disease-Relevant G90D Bovine Rhodopsin Mutant. <i>Angewandte Chemie</i> , 2020, 132, 15786-15794.	1.6	2
76	Trendbericht Biochemie: Strukturbiologie von Sars-CoV-2 mit NMR-Spektroskopie. <i>Nachrichten Aus Der Chemie</i> , 2020, 68, 55-58.	0.0	0
77	NMR Spectroscopic Characterization of the $\alpha$ -Mannose Conformation in a Thrombospondin Repeat Using a Selective Labeling Approach. <i>Angewandte Chemie</i> , 2020, 132, 20840-20846.	1.6	3
78	$^1\text{H}$ , $^{13}\text{C}$ , and $^{15}\text{N}$ backbone chemical shift assignments of the nucleic acid-binding domain of SARS-CoV-2 non-structural protein 3e. <i>Biomolecular NMR Assignments</i> , 2020, 14, 329-333.	0.4	7
79	Cysteine oxidation and disulfide formation in the ribosomal exit tunnel. <i>Nature Communications</i> , 2020, 11, 5569.	5.8	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. <i>Molecules</i> , 2020, 25, 5115.	1.7	3
81	Non-Invasive Measurement of Drug and 2-HG Signals Using $^{19}\text{F}$ and $^1\text{H}$ MR Spectroscopy in Brain Tumors Treated with the Mutant IDH1 Inhibitor BAY1436032. <i>Cancers</i> , 2020, 12, 3175.	1.7	8
82	The conformational landscape of transcription intermediates involved in the regulation of the ZMP-sensing riboswitch from <i>Thermosinus carboxydvorans</i> . <i>Nucleic Acids Research</i> , 2020, 48, 6970-6979.	6.5	16
83	Structural basis for the recognition of transiently structured AU-rich elements by Roquin. <i>Nucleic Acids Research</i> , 2020, 48, 7385-7403.	6.5	6
84	NMR quality control of fragment libraries for screening. <i>Journal of Biomolecular NMR</i> , 2020, 74, 555-563.	1.6	23
85	Genetic Code Expansion Facilitates Position-Selective Modification of Nucleic Acids and Proteins. <i>ChemPlusChem</i> , 2020, 85, 1233-1243.	1.3	1
86	Synthesis and Biological Screening of New Lawson Derivatives as Selective Substrate-Based Inhibitors of Cytochrome $b_5$ Ubiquinol Oxidase from <i>Escherichia coli</i> . <i>ChemMedChem</i> , 2020, 15, 1262-1271.	1.6	5
87	Site-Specific Detection of Arginine Methylation in Highly Repetitive Protein Motifs of Low Sequence Complexity by NMR. <i>Journal of the American Chemical Society</i> , 2020, 142, 7647-7654.	6.6	4
88	Refolding through a Linear Transition State Enables Fast Temperature Adaptation of a Translational Riboswitch. <i>Biochemistry</i> , 2020, 59, 1081-1086.	1.2	11
89	Light Dynamics of the Retinal $\alpha$ -Disease-Relevant G90D Bovine Rhodopsin Mutant. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15656-15664.	7.2	5
90	Frontispiece: More than Proton Detection – New Avenues for NMR Spectroscopy of RNA. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0

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91	Nearest Neighbor Effects in Homopeptide Segments of Short Peptides Explored by Circular Dichroism and NMR Spectroscopy. <i>Biophysical Journal</i> , 2020, 118, 62a-63a.	0.2	0
92	<i>In situ</i> formation of transcriptional modulators using non-canonical DNA i-motifs. <i>Chemical Science</i> , 2020, 11, 2058-2067.	3.7	18
93	Structure Validation of Rich RNAs in Noncoding Regions of the Human Genome. <i>ChemBioChem</i> , 2020, 21, 1656-1663.	1.3	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2449-2455.	3.3	29
95	Structural rearrangement of amyloid- $\beta^2$ upon inhibitor binding suppresses formation of Alzheimer's disease related oligomers. <i>ELife</i> , 2020, 9, .	2.8	20
96	Functional implications of MIR domains in protein O-mannosylation. <i>ELife</i> , 2020, 9, .	2.8	3
97	Modular, triple-resonance, transmission line DNP MAS probe for 500 MHz/330 GHz. <i>Journal of Magnetic Resonance</i> , 2019, 307, 106573.	1.2	2
98	( $\pm$ )-Alternarilactones A and B, Two Antiparasitic Alternariol-like Dimers from the Fungus <i>Alternaria alternata</i> P1210 Isolated from the Halophyte <i>Salicornia</i> sp.. <i>Journal of Organic Chemistry</i> , 2019, 84, 11203-11209.	1.7	17
99	Metabolic Plasticity of Acute Myeloid Leukemia. <i>Cells</i> , 2019, 8, 805.	1.8	103
100	Molecular tuning of farnesoid X receptor partial agonism. <i>Nature Communications</i> , 2019, 10, 2915.	5.8	71
101	Identification of Eph receptor signaling as a regulator of autophagy and a therapeutic target in colorectal carcinoma. <i>Molecular Oncology</i> , 2019, 13, 2441-2459.	2.1	11
102	G-Quadruplex-Specific Cell-Permeable Guanosine Anthracene Conjugate Inhibits Telomere Elongation and Induces Apoptosis by Repressing the <i>c-MYC</i> Gene. <i>Bioconjugate Chemistry</i> , 2019, 30, 3038-3045.	1.8	7
103	Paramagnetic-iterative relaxation matrix approach: extracting PRE-restraints from NOESY spectra for 3D structure elucidation of biomolecules. <i>Journal of Biomolecular NMR</i> , 2019, 73, 699-712.	1.6	9
104	Novel <sup>13</sup> C-detected NMR Experiments for the Precise Detection of RNA Structure. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9140-9144.	7.2	13
105	Novel <sup>13</sup> C-detected NMR Experiments for the Precise Detection of RNA Structure. <i>Angewandte Chemie</i> , 2019, 131, 9238-9242.	1.6	1
106	"CodonWizard" An intuitive software tool with graphical user interface for customizable codon optimization in protein expression efforts. <i>Protein Expression and Purification</i> , 2019, 160, 84-93.	0.6	15
107	Evaluating mechanical properties of silica-coated alginate beads for immobilized biocatalysis. <i>Biochemical Engineering Journal</i> , 2019, 141, 225-231.	1.8	8
108	Combined smFRET and NMR analysis of riboswitch structural dynamics. <i>Methods</i> , 2019, 153, 22-34.	1.9	8

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109	Life times of metastable states guide regulatory signaling in transcriptional riboswitches. <i>Nature Communications</i> , 2018, 9, 944.	5.8	46
110	Georatusin, a Specific Antiparasitic Polyketide–Peptide Hybrid from the Fungus <i>Geomyces auratus</i> . <i>Organic Letters</i> , 2018, 20, 1563-1567.	2.4	12
111	Structural characterization of the intrinsically disordered domain of <i>Mycobacterium tuberculosis</i> protein tyrosine kinase A. <i>FEBS Letters</i> , 2018, 592, 1233-1245.	1.3	5
112	Structural Characterization of the Interaction of the Fibroblast Growth Factor Receptor with a Small Molecule Allosteric Inhibitor. <i>Chemistry - A European Journal</i> , 2018, 24, 7861-7865.	1.7	8
113	Human Telomeric G-Quadruplex Selective Fluoro-Isoquinolines Induce Apoptosis in Cancer Cells. <i>Bioconjugate Chemistry</i> , 2018, 29, 1141-1154.	1.8	22
114	The molecular basis of subtype selectivity of human kinin G-protein-coupled receptors. <i>Nature Chemical Biology</i> , 2018, 14, 284-290.	3.9	74
115	A New Photocaged Puromycin for an Efficient Labeling of Newly Translated Proteins in Living Neurons. <i>ChemBioChem</i> , 2018, 19, 2458-2464.	1.3	21
116	Identification of primary and secondary metabolites and transcriptome profile of soybean tissues during different stages of hypoxia. <i>Data in Brief</i> , 2018, 21, 1089-1100.	0.5	9
117	Optimal Destabilization of DNA Double Strands by Single–Nucleobase Caging. <i>Chemistry - A European Journal</i> , 2018, 24, 17568-17576.	1.7	15
118	Targeting RNA structure in SMN2 reverses spinal muscular atrophy molecular phenotypes. <i>Nature Communications</i> , 2018, 9, 2032.	5.8	60
119	<i>iNEXT</i> : a European facility network to stimulate translational structural biology. <i>FEBS Letters</i> , 2018, 592, 1909-1917.	1.3	4
120	Flooded soybean metabolomic analysis reveals important primary and secondary metabolites involved in the hypoxia stress response and tolerance. <i>Environmental and Experimental Botany</i> , 2018, 153, 176-187.	2.0	49
121	Cell penetrating thiazole peptides inhibit c-MYC expression via site-specific targeting of c-MYC G-quadruplex. <i>Nucleic Acids Research</i> , 2018, 46, 5355-5365.	6.5	78
122	NVP–BHG712: Effects of Regioisomers on the Affinity and Selectivity toward the EPHrin Family. <i>ChemMedChem</i> , 2018, 13, 1629-1633.	1.6	20
123	Modulation of the Allosteric Communication between the Polo-Box Domain and the Catalytic Domain in Plk1 by Small Compounds. <i>ACS Chemical Biology</i> , 2018, 13, 1921-1931.	1.6	12
124	On the Implication of Water on Fragment–Ligand Growth in Kinase Binding Thermodynamics. <i>ChemMedChem</i> , 2018, 13, 1988-1996.	1.6	8
125	Enzymatic Synthesis of Position-Specifically Modified RNA for Biophysical Studies including Light Control and NMR Spectroscopy. <i>Angewandte Chemie</i> , 2018, 130, 12193-12197.	1.6	12
126	Enzymatic Synthesis of Position-Specifically Modified RNA for Biophysical Studies including Light Control and NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12017-12021.	7.2	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. <i>Protein Expression and Purification</i> , 2018, 150, 53-60.	0.6	1
128	Investigations on the mode of action of gephyronic acid, an inhibitor of eukaryotic protein translation from myxobacteria. <i>PLoS ONE</i> , 2018, 13, e0201605.	1.1	10
129	Conformational switch in the ribosomal protein S1 guides unfolding of structured RNAs for translation initiation. <i>Nucleic Acids Research</i> , 2018, 46, 10917-10929.	6.5	11
130	Paradoxically, Most Flexible Ligand Binds Most Entropy-Favored: Intriguing Impact of Ligand Flexibility and Solvation on Drug-Kinase Binding. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5922-5933.	2.9	36
131	The domain architecture of PtkA, the first tyrosine kinase from <i>Mycobacterium tuberculosis</i> , differs from the conventional kinase architecture. <i>Journal of Biological Chemistry</i> , 2018, 293, 11823-11836.	1.6	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. <i>Journal of the American Chemical Society</i> , 2017, 139, 2647-2656.	6.6	43
135	Exploring the Effects on the Conformational Propensity of Alanine in the Unblocked Tripeptide Glycyl-Alanyl-Glycine in Water/Ethanol Mixtures. <i>Biophysical Journal</i> , 2017, 112, 512a.	0.2	0
136	Impact of spin label rigidity on extent and accuracy of distance information from PRE data. <i>Journal of Biomolecular NMR</i> , 2017, 68, 53-63.	1.6	11
137	In vitro production of reactive oxygen species (ROS) by sampangine. <i>Medicinal Chemistry Research</i> , 2017, 26, 1170-1175.	1.1	6
138	Beispiellose Verstärkung von Kohlenstoffsignalen in der $^{13}\text{C}$ -NMR-Spektroskopie. <i>Angewandte Chemie</i> , 2017, 129, 8448-8450.	1.6	2
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