

# Judith Schlagnitweit

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23  
papers

358  
citations

12  
h-index

18  
g-index

27  
ext. papers

465  
ext. citations

7.3  
avg, IF

3.42  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 23 | Mutate-and-chemical-shift-fingerprint (MCSF) to characterize excited states in RNA using NMR spectroscopy. <i>Nature Protocols</i> , <b>2021</b> , 16, 5146-5170                                   | 18.8 |           |
| 22 | Practical Aspects of Sample Preparation and Setup of 1H R1[Relaxation Dispersion Experiments of RNA. <i>Journal of Visualized Experiments</i> , <b>2021</b> ,                                      | 1.6  | 1         |
| 21 | H, C and N chemical shift assignment of the stem-loop 5a from the 5bUTR of SARS-CoV-2. <i>Biomolecular NMR Assignments</i> , <b>2021</b> , 15, 203-211   | 0.7  | 5         |
| 20 | Base-pair conformational switch modulates miR-34a targeting of Sirt1 mRNA. <i>Nature</i> , <b>2020</b> , 583, 139-144  | 30.4 | 22        |
| 19 | Nuclear spin noise tomography in three dimensions with iterative simultaneous algebraic reconstruction technique (SART) processing. <i>Magnetic Resonance</i> , <b>2020</b> , 1, 165-173           | 2.9  | 2         |
| 18 | Secondary structure determination of conserved SARS-CoV-2 RNA elements by NMR spectroscopy. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 12415-12435  | 20.1 | 58        |
| 17 | Observing an Antisense Drug Complex in Intact Human Cells by in-Cell NMR Spectroscopy. <i>ChemBioChem</i> , <b>2019</b> , 20, 2474-2478  | 3.8  | 24        |
| 16 | RNA Dynamics by NMR Spectroscopy. <i>ChemBioChem</i> , <b>2019</b> , 20, 2685-2710   | 3.8  | 27        |
| 15 | Efficient Detection of Structure and Dynamics in Unlabeled RNAs: The SELOPE Approach. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 6067-6070  | 4.8  | 14        |
| 14 | Refocused linewidths less than 10 Hz in 1H solid-state NMR. <i>Journal of Magnetic Resonance</i> , <b>2018</b> , 293, 41-46  | 3    | 3         |
| 13 | Comprehensive analysis of NMR data using advanced line shape fitting. <i>Journal of Biomolecular NMR</i> , <b>2017</b> , 69, 93-99   | 3    | 30        |
| 12 | Measuring Nano- to Microstructures from Relayed Dynamic Nuclear Polarization NMR. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 15993-16005  | 3.8  | 61        |
| 11 | Capturing Excited States in the Fast-Intermediate Exchange Limit in Biological Systems Using 1H NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 15869-15872 | 16.4 | 13        |
| 10 | Capturing Excited States in the Fast-Intermediate Exchange Limit in Biological Systems Using 1H NMR Spectroscopy. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 16101-16104                        | 3.6  | 5         |
| 9  | Nanostructure of Materials Determined by Relayed Paramagnetic Relaxation Enhancement. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12482-5                                 | 16.4 | 19        |
| 8  | Resonance assignment of PsbP: an extrinsic protein from photosystem II of <i>Spinacia oleracea</i> . <i>Biomolecular NMR Assignments</i> , <b>2015</b> , 9, 341-6                                  | 0.7  | 2         |
| 7  | On the tuning of high-resolution NMR probes. <i>ChemPhysChem</i> , <b>2014</b> , 15, 3639-45   | 3.2  | 14        |

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|---|---|-----|----|
| 6 | Spin-Noise-Detected Two-Dimensional Fourier-Transform NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 3853-3856                                       | 6.4 | 17 |
| 5 | MQD--multiplex-quadrature detection in multi-dimensional NMR. <i>ChemPhysChem</i> , <b>2012</b> , 13, 342-6   | 3.2 | 4  |
| 4 | Non-linear signal detection improvement by radiation damping in single-pulse NMR spectra. <i>ChemPhysChem</i> , <b>2012</b> , 13, 482-7   | 3.2 | 12 |
| 3 | Determination of the xanthate group distribution on viscose by liquid-state <sup>1</sup> H NMR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 2449-56 | 4.4 | 5  |
| 2 | Backbone assignment and secondary structure of the PsbQ protein from photosystem II. <i>Biomolecular NMR Assignments</i> , <b>2011</b> , 5, 169-75                                      | 0.7 | 4  |
| 1 | Signal enhancement in protein NMR using the spin-noise tuning optimum. <i>Journal of Biomolecular NMR</i> , <b>2010</b> , 48, 157-67  | 3   | 16 |