

# Johannes J Wittmann

## List of Publications by Year in descending order

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13  
papers

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citations

840776

11  
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1058476

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docs citations

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times ranked

1021  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-driven spin diffusion supports crossing the diffusion barrier in MAS DNP. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11418-11429.	2.8	19
2	Frequency-agile gyrotron for electron decoupling and pulsed dynamic nuclear polarization. <i>Journal of Magnetic Resonance</i> , 2018, 289, 45-54.	2.1	47
3	Transient effects in $\pi$ -pulse sequences in MAS solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2018, 287, 65-73.	2.1	11
4	Probing Interactions of N-Donor Molecules with Open Metal Sites within Paramagnetic Cr-MIL-101: A Solid-State NMR Spectroscopic and Density Functional Theory Study. <i>Journal of the American Chemical Society</i> , 2018, 140, 2135-2144.	13.7	41
5	Dynamic nuclear polarization for sensitivity enhancement in modern solid-state NMR. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2017, 102-103, 120-195.	7.5	371
6	Optimizing symmetry-based recoupling sequences in solid-state NMR by pulse-transient compensation and asynchronous implementation. <i>Journal of Chemical Physics</i> , 2017, 146, 244202.	3.0	5
7	Heteronuclear Cross-Relaxation under Solid-State Dynamic Nuclear Polarization. <i>Journal of the American Chemical Society</i> , 2016, 138, 16572-16575.	13.7	49
8	Accelerating proton spin diffusion in perdeuterated proteins at 100 MHz MAS. <i>Journal of Biomolecular NMR</i> , 2016, 66, 233-242.	2.8	26
9	Quantification and compensation of the influence of pulse transients on symmetry-based recoupling sequences. <i>Journal of Magnetic Resonance</i> , 2016, 263, 7-18.	2.1	13
10	Compensating Pulse Imperfections in Solid-State NMR Spectroscopy: A Key to Better Reproducibility and Performance. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12592-12596.	13.8	23
11	Controlling spin diffusion by tailored rf-irradiation schemes. <i>Chemical Physics Letters</i> , 2014, 608, 60-67.	2.6	12
12	Probing self-assembled 1,3,5-benzenetrisamides in isotactic polypropylene by $^{13}\text{C}$ DQ solid-state NMR spectroscopy. <i>Chemical Communications</i> , 2013, 49, 267-269.	4.1	13
13	Crystal Structure of a Highly Efficient Clarifying Agent for Isotactic Polypropylene. <i>Crystal Growth and Design</i> , 2012, 12, 2543-2551.	3.0	36