

Johannes J Wittmann

List of Publications by Year in descending order

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840776

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1021
citing authors

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