

Kurt W Zilm

List of Publications by Year in descending order

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25
papers

2,791
citations

430874

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580821

25
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docs citations

27
times ranked

3148
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron spin relaxation of P1 centers in synthetic diamonds with potential as B1 standards for DNP enhanced NMR. <i>Journal of Magnetic Resonance</i> , 2021, 322, 106875.	2.1	5
2	Accounting for the temperature dependence of ¹³ C spin-lattice relaxation of methyl groups in the glyceryl-alanyl-leucine model system under MAS with spin diffusion. <i>Journal of Biomolecular NMR</i> , 2019, 73, 411-421.	2.8	3
3	Liquid and Hydrogel Phases of PrPC Linked to Conformation Shifts and Triggered by Alzheimer's Amyloid- β Oligomers. <i>Molecular Cell</i> , 2018, 72, 426-443.e12.	9.7	87
4	Prion Nucleation Site Unmasked by Transient Interaction with Phospholipid Cofactor. <i>Biochemistry</i> , 2014, 53, 68-76.	2.5	13
5	Accelerating multidimensional NMR and MRI experiments using iterated maps. <i>Journal of Magnetic Resonance</i> , 2013, 237, 100-109.	2.1	23
6	Further conventions for NMR shielding and chemical shifts IUPAC recommendations 2008. <i>Solid State Nuclear Magnetic Resonance</i> , 2008, 33, 41-56.	2.3	91
7	Further Conventions for NMR Shielding and Chemical Shifts (IUPAC Recommendations 2008). <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 582-598.	1.9	121
8	Further conventions for NMR shielding and chemical shifts (IUPAC Recommendations 2008). <i>Pure and Applied Chemistry</i> , 2008, 80, 59-84.	1.9	519
9	¹ H- ¹⁵ N correlation spectroscopy of nanocrystalline proteins. <i>Journal of Biomolecular NMR</i> , 2005, 31, 217-230.	2.8	38
10	External field-frequency lock probe for high resolution solid state NMR. <i>Review of Scientific Instruments</i> , 2005, 76, 026104.	1.3	15
11	Linear phase correction of folded multidimensional NMR data by zero inter-filling. <i>Journal of Magnetic Resonance</i> , 2004, 168, 217-219.	2.1	1
12	Diluting Abundant Spins by Isotope Edited Radio Frequency Field Assisted Diffusion. <i>Journal of the American Chemical Society</i> , 2004, 126, 7196-7197.	13.7	211
13	Assignments of Carbon NMR Resonances for Microcrystalline Ubiquitin. <i>Journal of the American Chemical Society</i> , 2004, 126, 6720-6727.	13.7	187
14	Variable temperature system using vortex tube cooling and fiber optic temperature measurement for low temperature magic angle spinning NMR. <i>Journal of Magnetic Resonance</i> , 2004, 168, 202-209.	2.1	34
15	The influence of internuclear spatial distribution and instrument noise on the precision of distances determined by solid state NMR of isotopically enriched proteins. <i>Journal of Biomolecular NMR</i> , 2003, 27, 235-259.	2.8	9
16	Preparation of protein nanocrystals and their characterization by solid state NMR. <i>Journal of Magnetic Resonance</i> , 2003, 165, 162-174.	2.1	169
17	Chemical shift referencing in MAS solid state NMR. <i>Journal of Magnetic Resonance</i> , 2003, 162, 479-486.	2.1	729
18	Design of a triple resonance magic angle sample spinning probe for high field solid state nuclear magnetic resonance. <i>Review of Scientific Instruments</i> , 2003, 74, 3045-3061.	1.3	73

#	ARTICLE	IF	CITATIONS
19	Sensitive High Resolution Inverse Detection NMR Spectroscopy of Proteins in the Solid State. Journal of the American Chemical Society, 2003, 125, 15831-15836.	13.7	204
20	¹⁹ F NMR Chemical Shifts. 1. Aliphatic Fluorides. Journal of Organic Chemistry, 2001, 66, 2809-2817.	3.2	28
21	NMR Chemical Shifts. 3. A Comparison of Acetylene, Allene, and the Higher Cumulenes. Journal of Organic Chemistry, 1999, 64, 6394-6400.	3.2	63
22	NMR Chemical Shifts. 2. Interpretation of the Carbon Chemical Shifts in Monocyclic Aromatic Compounds and Carbenes. Journal of Physical Chemistry A, 1999, 103, 21-27.	2.5	32
23	NMR Chemical Shifts. 1. The Role of Relative Atomic Orbital Phase in Determining the Sign of the Paramagnetic Terms: ¹³ CIF, CH ₃ F, CH ₃ NH ₃ ⁺ , FNH ₃ ⁺ , and HC≡CF. Journal of Physical Chemistry A, 1998, 102, 8766-8773.	2.5	48
24	A Solid-State ¹ NMR and Theoretical Study of the Chemical Bonding in Disilenes. Journal of the American Chemical Society, 1997, 119, 4972-4976.	13.7	71
25	Optical pumping magnetic resonance in high magnetic fields: Characterization of nuclear relaxation during pumping. Journal of Chemical Physics, 1996, 105, 2998-3011.	3.0	12