

Kurt W Zilm

List of Publications by Year in descending order

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25
papers

2,791
citations

430874

18
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

3148
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical shift referencing in MAS solid state NMR. <i>Journal of Magnetic Resonance</i> , 2003, 162, 479-486.	2.1	729
2	Further conventions for NMR shielding and chemical shifts (IUPAC Recommendations 2008). <i>Pure and Applied Chemistry</i> , 2008, 80, 59-84.	1.9	519
3	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
4	Sensitive High Resolution Inverse Detection NMR Spectroscopy of Proteins in the Solid State. <i>Journal of the American Chemical Society</i> , 2003, 125, 15831-15836.	13.7	204
5	Assignments of Carbon NMR Resonances for Microcrystalline Ubiquitin. <i>Journal of the American Chemical Society</i> , 2004, 126, 6720-6727.	13.7	187
6	Preparation of protein nanocrystals and their characterization by solid state NMR. <i>Journal of Magnetic Resonance</i> , 2003, 165, 162-174.	2.1	169
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>Solid State Nuclear Magnetic Resonance</i> , 2008, 33, 41-56.	2.3	91
9	Liquid and Hydrogel Phases of PrPC Linked to Conformation Shifts and Triggered by Alzheimer's Amyloid- β^2 Oligomers. <i>Molecular Cell</i> , 2018, 72, 426-443.e12.	9.7	87
10	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
11	A Solid-State NMR and Theoretical Study of the Chemical Bonding in Disilenes. <i>Journal of the American Chemical Society</i> , 1997, 119, 4972-4976.	13.7	71
12	NMR Chemical Shifts. 3. A Comparison of Acetylene, Allene, and the Higher Cumulenes. <i>Journal of Organic Chemistry</i> , 1999, 64, 6394-6400.	3.2	63
13	NMR Chemical Shifts. 1. The Role of Relative Atomic Orbital Phase in Determining the Sign of the Paramagnetic Terms: $^1\text{C}^1\text{F}$, CH_3F , CH_3NH_3^+ , FNH_3^+ , and HC^1CF . <i>Journal of Physical Chemistry A</i> , 1998, 102, 8766-8773.	2.5	48
14	^1H / ^{15}N correlation spectroscopy of nanocrystalline proteins. <i>Journal of Biomolecular NMR</i> , 2005, 31, 217-230.	2.8	38
15	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
16	NMR Chemical Shifts. 2. Interpretation of the Carbon Chemical Shifts in Monocyclic Aromatic Compounds and Carbenes. <i>Journal of Physical Chemistry A</i> , 1999, 103, 21-27.	2.5	32
17	^{19}F NMR Chemical Shifts. 1. Aliphatic Fluorides. <i>Journal of Organic Chemistry</i> , 2001, 66, 2809-2817.	3.2	28
18	Accelerating multidimensional NMR and MRI experiments using iterated maps. <i>Journal of Magnetic Resonance</i> , 2013, 237, 100-109.	2.1	23

#	ARTICLE	IF	CITATIONS
19	External field-frequency lock probe for high resolution solid state NMR. Review of Scientific Instruments, 2005, 76, 026104.	1.3	15
20	Prion Nucleation Site Unmasked by Transient Interaction with Phospholipid Cofactor. Biochemistry, 2014, 53, 68-76.	2.5	13
21	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
22	The influence of internuclear spatial distribution and instrument noise on the precision of distances determined by solid state NMR of isotopically enriched proteins. Journal of Biomolecular NMR, 2003, 27, 235-259.	2.8	9
23	Electron spin relaxation of P1 centers in synthetic diamonds with potential as B1 standards for DNP enhanced NMR. Journal of Magnetic Resonance, 2021, 322, 106875.	2.1	5
24	Accounting for the temperature dependence of ^{13}C spin-lattice relaxation of methyl groups in the glycyl-alanyl-leucine model system under MAS with spin diffusion. Journal of Biomolecular NMR, 2019, 73, 411-421.	2.8	3
25	Linear phase correction of folded multidimensional NMR data by zero inter-filling. Journal of Magnetic Resonance, 2004, 168, 217-219.	2.1	1