

Jukka Jokisaari

List of Publications by Year in descending order

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55
papers

1,310
citations

394421

19
h-index

361022

35
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59
all docs

59
docs citations

59
times ranked

976
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR of quadrupole noble gases in liquid crystals. <i>Liquid Crystals</i> , 2020, 47, 1955-1964.	2.2	1
2	Direct magnetic-field dependence of NMR chemical shift. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8485-8490.	2.8	4
3	²¹ Ne and ¹³¹ Xe NMR study of electric field gradients and multinuclear NMR study of the composition of a ferroelectric liquid crystal. <i>Journal of Chemical Physics</i> , 2018, 149, 234901.	3.0	2
4	Clathrate Structure Determination by Combining Crystal Structure Prediction with Computational and Experimental ¹²⁹ Xe NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2017, 23, 5258-5269.	3.3	18
5	The ¹ H NMR spectrum of pyrazole in a nematic phase. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 637-640.	1.9	6
6	Xenon NMR of phase biaxiality in liquid crystals. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 556-559.	1.9	5
7	Nuclear spin-spin coupling anisotropy in the van der Waals-bonded ¹²⁹ Xe dimer. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11427.	2.8	6
8	Moisture in softwoods: fiber saturation point, hydroxyl site content, and the amount of micropores as determined from NMR relaxation time distributions. <i>Holzforschung</i> , 2013, 67, 291-300.	1.9	91
9	Nuclear spin-spin coupling in a van der Waals-bonded system: Xenon dimer. <i>Journal of Chemical Physics</i> , 2013, 138, 104313.	3.0	13
10	Carbon-13 NOESY and equivalent protons: Methyl iodide dynamics. <i>Journal of Magnetic Resonance</i> , 2010, 204, 239-247.	2.1	2
11	Effect of Thermal Modification on Wood Cell Structures Observed by Pulsed-Field-Gradient Stimulated-Echo NMR. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18693-18697.	3.1	17
12	Carbon and proton shielding tensors in methyl halides. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2679.	2.8	52
13	Noble Gas Probes in NMR Studies of Liquid Crystals. , 2009, , 79-116.		1
14	An alternative NMR method to determine nuclear shielding anisotropies for molecules in liquid-crystalline solutions with ¹³ C shielding anisotropy of methyl iodide as an example. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1681.	2.8	7
15	Xenon porometry: a novel method for the derivation of pore size distributions. <i>Magnetic Resonance Imaging</i> , 2007, 25, 457-460.	1.8	10
16	2D ¹²⁹ Xe EXSY of xenon atoms in a thermotropic liquid crystal confined to a controlled-pore glass. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4902.	2.8	14
17	Influence of diffusion on pore size distributions determined by xenon porometry. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2072.	2.8	11
18	Determination of sample temperature and temperature stability with ¹²⁹ Xe NMR. <i>Journal of Magnetic Resonance</i> , 2006, 180, 58-62.	2.1	10

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19	Xenon porometry at room temperature. <i>Journal of Chemical Physics</i> , 2006, 124, 034711.	3.0	22
20	Behavior of Acetonitrile Confined to Mesoporous Silica Gels As Studied by ^{129}Xe NMR: A Novel Method for Determining the Pore Sizes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 757-763.	2.6	30
21	Determination of Pore Sizes and Volumes of Porous Materials by ^{129}Xe NMR of Xenon Gas Dissolved in a Medium. <i>Journal of Physical Chemistry B</i> , 2005, 109, 24343-24351.	2.6	33
22	Correlation of ^{129}Xe NMR shielding data with the pore structures of various aluminophosphate molecular sieves. <i>Microporous and Mesoporous Materials</i> , 2004, 67, 113-122.	4.4	16
23	NMR of Noble Gases Dissolved in Liquid Crystals. , 2003, , 109-135.		7
24	^{13}C - ^{77}Se and ^{77}Se - ^{77}Se spin-spin coupling tensors in carbon diselenide: NMR experiments and ZORA DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4551-4555.	2.8	16
25	Dipole-Dipole Coupling Constant for a Directly Bonded CH Pair: A Carbon-13 Relaxation Study. <i>Journal of Magnetic Resonance</i> , 2002, 157, 171-177.	2.1	35
26	Spin-spin coupling tensors as determined by experiment and computational chemistry. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2002, 41, 233-304.	7.5	169
27	^{129}Xe diffusion in a ferroelectric liquid crystal. <i>Molecular Physics</i> , 2001, 99, 711-719.	1.7	17
28	Microporous channel and crystallite surface effects on xenon atoms as studied by NMR: shielding and exchange of xenon in SAPO-11 and AlPO ₄ -11 molecular sieves. <i>Microporous and Mesoporous Materials</i> , 2001, 46, 99-110.	4.4	10
29	Spin-Spin Coupling Tensors in Fluoromethanes. <i>Chemistry - A European Journal</i> , 2000, 6, 1395-1406.	3.3	25
30	Experimental and Theoretical Study of the Spin-Spin Coupling Tensors in Methylsilane. <i>Journal of Physical Chemistry A</i> , 1999, 103, 9669-9677.	2.5	11
31	Nuclear magnetic shielding of noble gases in liquid crystals. <i>Journal of Chemical Physics</i> , 1999, 110, 6381-6388.	3.0	28
32	Quadratic response calculations of the electronic spin-orbit contribution to nuclear shielding tensors. <i>Journal of Chemical Physics</i> , 1998, 109, 1212-1222.	3.0	97
33	Fringe field NMR diffusometry of anomalous self-diffusion in molecular sieves. <i>Physical Review E</i> , 1998, 57, 6844-6850.	2.1	23
34	^{129}Xe adsorbed in AlPO ₄ -11 molecular sieve: Molecular dynamics simulation of adsorbate dynamics and NMR chemical shift. <i>Journal of Chemical Physics</i> , 1997, 107, 6470-6478.	3.0	23
35	^{13}C NMR spectroscopy of methane adsorbed in SAPO-11 molecular sieve. <i>Chemical Physics Letters</i> , 1996, 261, 425-430.	2.6	17
36	Effects of Thermal Convection on NMR and Their Elimination by Sample Rotation. <i>Journal of Magnetic Resonance Series A</i> , 1996, 118, 50-54.	1.6	65

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37	Quantification of metabolites from single-voxel in vivo ¹ H NMR data of normal human brain by means of time-domain data analysis. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1995, 3, 129-136.	2.0	20
38	NMR of noble gases dissolved in isotropic and anisotropic liquids. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1994, 26, 1-26.	7.5	111
39	Temperature dependence of nuclear shielding and quadrupolar coupling of noble gases in liquid crystals. <i>Journal of Chemical Physics</i> , 1992, 97, 8977-8985.	3.0	33
40	A special method for analyzing anisotropic nuclear magnetic resonance parameters: Acetonitrile in liquid crystals. <i>Journal of Chemical Physics</i> , 1990, 93, 8514-8523.	3.0	16
41	A special method of deformational correction in N.M.R. of molecules dissolved in liquid crystals. <i>Liquid Crystals</i> , 1988, 3, 731-736.	2.2	1
42	Solute molecular structure determination by NMR: Furan in liquid crystal mixtures. <i>Magnetic Resonance in Chemistry</i> , 1985, 23, 725-727.	1.9	8
43	The r [∞] -structure of thiophene in various liquid crystals with ¹³ C-methane as an internal reference. <i>Molecular Physics</i> , 1984, 51, 779-791.	1.7	40
44	Solute molecular structure determination by N.M.R.. <i>Molecular Physics</i> , 1983, 50, 1013-1023.	1.7	57
45	¹³ C- ¹³ C spin-spin coupling constants and ¹³ C isotope effects on ¹³ C chemical shifts in some 4-membered rings. <i>Magnetic Resonance in Chemistry</i> , 1978, 11, 157-159.	0.7	21
46	Proton, carbon-13 and mercury-199 N.M.R. studies on dimethyl mercury in isotropic and anisotropic phases. <i>Molecular Physics</i> , 1978, 36, 113-123.	1.7	32
47	¹³ C NMR Spectra of Trimethylene Oxide and Sulphide. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1978, 33, 7-10.	1.5	5
48	Conformational analysis. XIII. A 300 MHz ¹ H NMR study of 2-methyl-, 2-phenyl-, 2-(2-chlorophenyl)- and 2-(4-chlorophenyl)-oxetanes. <i>Magnetic Resonance in Chemistry</i> , 1975, 7, 286-290.	0.7	4
49	Studies on the PMR Spectra of Oxetanes. VI 2-(3-Chlorophenyl)oxetane and 2-(2-Chlorophenyl)oxetane at 60 and 100 MHz. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1974, 29, 1902-1906.	1.5	2
50	INDO- and CNDO-Approximated Molecular Orbital Calculations on the Spin-Spin Coupling Constants in Some 2-Substituted Oxetanes. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1974, 29, 1907-1913.	1.5	6
51	Studies on the PMR Spectra of Oxetanes . V. 2-(3,4-Dichlorophenyl)oxetane and 2-(2,4-Dichlorophenyl)oxetane. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1973, 28, 30-34.	1.5	1
52	Studies on the PMR Spectra of Oxetanes. III. 2-Methyloxetane. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1971, 26, 136-140.	1.5	5
53	Studies on the PMR Spectra of Oxetanes. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1971, 26, 973-978.	1.5	3
54	Studies on the PMR Spectra of Oxetanes. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1970, 25, 1655-1658.	1.5	5

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55	Temperature and Solvent Dependence of ¹³ C- ¹ H Spin-Spin Coupling Constant J _{CH} in Ethyl Formate. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1968, 23, 2094-2097.	1.5	3