

Włodzimierz Makulski

List of Publications by Year in descending order

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49
papers

752
citations

516710

16
h-index

580821

25
g-index

50
all docs

50
docs citations

50
times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear magnetic dipole moments from NMR spectra. <i>Chemical Physics Letters</i> , 2005, 411, 111-116.	2.6	65
2	Nuclear Magnetic Shielding for Hydrogen in Selected Isolated Molecules. <i>Journal of Physical Chemistry A</i> , 2012, 116, 11896-11904.	2.5	55
3	The determination of accurate nuclear magnetic dipole moments and direct measurement of NMR shielding constants. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2012, 67, 49-63.	7.5	54
4	NMR Shielding Constants in PH ₃ , Absolute Shielding Scale, and the Nuclear Magnetic Moment of ³¹ P. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10617-10623.	2.5	39
5	Indirect spin-spin coupling constants in CH ₄ , SiH ₄ and GeH ₄ – Gas-phase NMR experiment and ab initio calculations. <i>Chemical Physics</i> , 2008, 352, 320-326.	1.9	27
6	NMR shielding constants in BF ₃ and magnetic dipole moments of B11 and B10 nuclei. <i>Journal of Chemical Physics</i> , 2009, 130, 044309.	3.0	27
7	An improved ³³ S nuclear magnetic shielding scale from the gas-phase study of COS. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, 563-565.	1.9	25
8	Spin-rotation and NMR shielding constants in HCl. <i>Journal of Chemical Physics</i> , 2013, 139, 234302.	3.0	25
9	Rovibrationally Averaged Nuclear Shielding Constants in OCS. <i>Journal of Magnetic Resonance</i> , 1998, 135, 444-453.	2.1	24
10	Density-dependent ¹⁷ O magnetic shielding in the gas phase. <i>Chemical Physics Letters</i> , 2001, 341, 369-372.	2.6	23
11	Effects of Intermolecular Interactions on ³³ S Magnetic Shielding in Gaseous SF ₆ . <i>Journal of Physical Chemistry A</i> , 2002, 106, 2829-2832.	2.5	23
12	The ¹⁷ O nuclear magnetic shielding scale from gas-phase measurements. <i>Journal of Molecular Structure</i> , 2003, 651-653, 265-269.	3.6	23
13	NMR absolute shielding scale and nuclear magnetic dipole moment of ²⁰⁷ Pb. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16483-16490.	2.8	23
14	¹²⁹ Xe and ¹³¹ Xe nuclear magnetic dipole moments from gas phase NMR spectra. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 273-279.	1.9	20
15	A Comparison of the Experimental and ab Initio Values of the ¹⁷ O NMR Chemical Shifts in the Carbonyl Group. <i>Journal of Magnetic Resonance</i> , 1997, 127, 139-143.	2.1	18
16	¹⁵ N, ¹³ C and ¹ H nuclear magnetic shielding and spin-spin coupling in gaseous ¹⁵ N-enriched methylamine. <i>Journal of Molecular Structure</i> , 2004, 704, 305-309.	3.6	18
17	¹ H, ¹³ C, and ¹⁷ O nuclear magnetic shielding of methanol and its deuterated isotopomers from gas phase measurements. <i>Journal of Molecular Structure</i> , 2008, 872, 81-86.	3.6	18
18	An ² H(D) isotope shift in the ¹ H NMR spectra of water in gaseous environment of fluoromethanes. <i>Journal of Molecular Structure</i> , 2007, 839, 90-93.	3.6	16

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19	17O and 33S NMR studies of sulfur dioxide and sulfur trioxide. Journal of Molecular Structure, 2004, 704, 219-222.	3.6	15
20	Precise determination of the 13C nuclear magnetic moment from 13C, 3He and 1H NMR measurements in the gas phase. Chemical Physics Letters, 2011, 511, 224-228.	2.6	14
21	Tetramethyltin study by NMR spectroscopy in the gas and liquid phase. Journal of Molecular Structure, 2012, 1017, 45-50.	3.6	14
22	Gas phase photolysis of 1-butene at 147 nm (8.4 eV). Journal of Photochemistry and Photobiology, 1978, 9, 519-528.	0.6	12
23	1H, 13C and 29Si magnetic shielding in gaseous and liquid tetramethylsilane. Journal of Magnetic Resonance, 2020, 313, 106716.	2.1	12
24	Intermolecular effects on spin-spin coupling and magnetic shielding constants in gaseous difluoromethane. Journal of Molecular Structure, 2004, 704, 211-214.	3.6	11
25	¹³ C shielding scale for MAS NMR spectroscopy. Magnetic Resonance in Chemistry, 2011, 49, 600-602.	1.9	11
26	⁸³ Kr nuclear magnetic moment in terms of that of ³ He. Magnetic Resonance in Chemistry, 2014, 52, 430-434.	1.9	11
27	1JCH couplings in Group 14/IVA tetramethyls from the gas-phase NMR and DFT structural study: a search for the best computational protocol. Physical Chemistry Chemical Physics, 2014, 16, 15699-15708.	2.8	10
28	The Radiofrequency NMR Spectra of Lithium Salts in Water; Reevaluation of Nuclear Magnetic Moments for 6Li and 7Li Nuclei. Magnetochemistry, 2018, 4, 9.	2.4	10
29	¹⁷ O and ¹ H NMR spectral parameters in isolated water molecules. Physical Chemistry Chemical Physics, 2018, 20, 22468-22476.	2.8	10
30	Gas phase photolysis of propylene at 8.4 and 10.0 eV. Journal of Photochemistry and Photobiology, 1982, 19, 123-131.	0.6	9
31	19F and 29Si nuclear magnetic shielding and spin-spin coupling constants in silicon tetrafluoride and hexafluorodisiloxane in the gaseous state. Journal of Molecular Structure, 2013, 1036, 168-173.	3.6	9
32	Multinuclear Magnetic Resonance Study of Sodium Salts in Water Solutions. Magnetochemistry, 2019, 5, 68.	2.4	9
33	Amidines. Part 41. Effects of substitution at the amidino carbon atom and at the imino nitrogen atom on the preferred configuration at the C≡N bond in the 13C NMR spectra of N- ¹ ,N- ¹ -dimethyl-N- ² -alkylamidines. Perkin Transactions II RSC, 2001, , 1186-1191.	1.1	8
34	The NMR spin-spin coupling constant ¹ J(³¹ P, ¹ H) in an isolated PH ₃ molecule. Physical Chemistry Chemical Physics, 2014, 16, 21559-21563.	2.8	8
35	Nuclear magnetic dipole moment of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mmultiscripts} \langle \text{mml:mi} \text{Bi} \langle \text{mml:mi} \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} / \rangle \langle \text{mml:mn} \text{209} \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ from NMR experiments. Physical Review A, 2018, 98, .	2.5	8
36	Temperature dependence of the ¹ J(¹¹ B ¹⁹ F) spin-spin coupling in BF ₃ molecule. Magnetic Resonance in Chemistry, 2009, 47, 857-861.	1.9	7

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37	Multinuclear magnetic resonance studies of gaseous and liquid dimethyl ethers. <i>Journal of Molecular Structure</i> , 2005, 744-747, 439-446.	3.6	5
38	Liquid and gas phase NMR spectra of ^{13}C ^{13}C acetaldehyde. <i>Journal of Molecular Structure</i> , 2018, 1152, 145-153.	3.6	5
39	Gas phase ^{21}Ne NMR studies and the nuclear magnetic dipole moment of neon-21. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 648-652.	1.9	5
40	Explorations of Magnetic Properties of Noble Gases: The Past, Present, and Future. <i>Magnetochemistry</i> , 2020, 6, 65.	2.4	5
41	Gas phase photolysis of 1-butene at 147 nm (8.4 eV). <i>Journal of Photochemistry and Photobiology</i> , 1978, 9, 519-528.	0.6	4
42	^{183}W nuclear dipole moment determined by gas-phase NMR spectroscopy. <i>Chemical Physics</i> , 2017, 498-499, 7-11.	1.9	4
43	Deuterium isotope effects on ^{17}O nuclear shielding in a single water molecule from NMR gas phase measurements. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17777-17780.	2.8	4
44	Multinuclear NMR spectroscopy of ethanol isotopic forms in the liquid and gas phase. <i>Journal of Molecular Structure</i> , 2022, 1254, 132335.	3.6	3
45	Absolute ^{13}C nuclear magnetic shielding of simple isolated molecules from gas phase measurements. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8950-8961.	2.8	2
46	Probing Nuclear Dipole Moments and Magnetic Shielding Constants through ^3He NMR Spectroscopy. <i>Physchem</i> , 2022, 2, 116-130.	1.1	2
47	^{17}O and ^{33}S nuclear magnetic shielding of sulfur trioxides from the experimental measurements and theoretical calculations. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 106-110.	1.9	1
48	Gas-phase NMR of nuclei other than ^1H and ^{13}C . , 2021, , .		1
49	Investigations of the luminescence of N-alkenylcarbazoles and their charge-transfer complexes with 2,4,7-trinitro-9-fluorenone and 7,7,8,8-tetracyanoquinodimethane. <i>Journal of Luminescence</i> , 1984, 31-32, 535-537.	3.1	0