SÅ‚awomir SzymaÅ„ski

List of Publications by Year
in descending order

22 papers	163 citations	1307594 7 h-index	1199594 12 g-index
23 all docs	23 docs citations	23 times ranked	184 citing authors

#	Article	IF	Citations
1	Blueâ€Shift Hydrogen Bonds in Silyltriptycene Derivatives: Antibonding Ïƒ* Orbitals of the Siâ‹¯C Bond as Effective Acceptors of Electron Density. ChemPhysChem, 2020, 21, 540-545.	2.1	1
2	Synthesis and structural characterization of exemplary silyl triptycenes. New Journal of Chemistry, 2019, 43, 7567-7573.	2.8	2
3	Principles of NMR Spectroscopy. , 2018, , 7-83.		0
4	Quantum Molecular Dynamics in Liquid-Phase Stick NMR Spectra. , 2018, , 333-348.		0
5	Quantum Mechanical Rate Processes in NMR Spectra. , 2018, , 349-389.		0
6	Rotational Tunneling in Stick NMR Spectra of Solids. , 2018, , 305-331.		0
7	Discrete Molecular Dynamics and NMR Line Shape Effects. Intramolecular Exchange. , 2018, , 195-248.		0
8	Nonclassical dynamics of the methyl group in 1,1,1-triphenylethane. Evidence from powder 1H NMR spectra. Journal of Chemical Physics, 2017, 146, 104504.	3.0	4
9	Structure, NMR and Electronic Spectra of [m.n]Paracyclophanes with Varying Bridges Lengths (m, n = 2â€“4). Journal of Physical Chemistry A, 2016, 120, 724-736.	2.5	10
10	A quantum mechanical alternative to the Arrhenius equation in the interpretation of proton spinâ€“lattice relaxation data for the methyl groups in solids. Physical Chemistry Chemical Physics, 2015, 17, 28866-28878.	2.8	5
11	Insights into the Tautomerism in mesoâ€Substituted Corroles: A Variableâ€Temperature ¹H, ¹³C, ¹⁵N, and ¹⁹Fâ€…NMR Spectroscopy Study. Chemistry - A European Journal, 2014, 20, 1720-1730.	3.3	21
12	Dynamics of [n.3]paracyclophanes (nâ€‰=â€‰2 - 4) as studied by NMR. Obtaining separate Arrhenius parameters for two dynamic processes in [4.3]paracyclophane. Journal of Physical Organic Chemistry, 2013, 26, 596-600.	1.9	6
13	Structure and NMR spectra of cyclophanes with unsaturated bridges (cyclophenes). Magnetic Resonance in Chemistry, 2012, 50, 449-457.	1.9	4
14	Structure and NMR Spectra of Some [2.2]Paracyclophanes. The Dilemma of [2.2]Paracyclophane Symmetry. Journal of Physical Chemistry A, 2011, 115, 10638-10649.	2.5	30
15	Structure and Dynamics of [3.3]Paracyclophane As Studied by Nuclear Magnetic Resonance and Density Functional Theory Calculations. Journal of Physical Chemistry A, 2010, 114, 10467-10473.	2.5	21
16	Hindered Rotation of the Silyl Group in Liquid-Phase NMR Spectra of 9-Silyltriptycene Derivatives: A Comparison with the Methyl Analogues. Journal of Physical Chemistry A, 2008, 112, 8612-8616.	2.5	5
17	Wave Properties of a Methyl Group under Ambient Conditions. Physical Review Letters, 2002, 89, 023004.	7.8	27
18	Cross-Correlation of Nuclear Quadrupolar Interactions as a Probe in Structure Elucidation:Â Liquid-Phase Nuclear Magnetic Resonance Studies on Bis(hexamethyldisilylamido)mercury(II). Journal of Physical Chemistry A, 2001, 105, 6414-6419.	2.5	5

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19	Proton Tunnelling Effects in Metal Hydride NMR. Annual Reports on NMR Spectroscopy, 1998, , 1-54.	1.5	3
20	NMR properties of N3â˜’. A comparison of theory and experiment. Chemical Physics Letters, 1995, 243, 144-150.	2.6	9
21	High-temperature quantum mechanical exchange of heavy particles. Effective spin Hamiltonian. Journal of Molecular Structure, 1994, 321, 115-124.	3.6	7
22	Cross correlations of quadrupolar interactions and scalar relaxation of the second kind. Journal of Magnetic Resonance, 1990, 87, 166-168.	0.5	1