Sergey Molchanov

List of Publications by Year
in descending order

16	172	1040056 9	1125743 13
papers	citations	h-index	g-index

16	16	16	285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	1H NMR, 13C NMR, and Computational DFT Studies of the Structure of 2-Acylcyclohexane-1,3-diones and Their Alkali Metal Salts in Solution. Journal of Organic Chemistry, 2006, 71, 4636-4641.	3.2	30
2	Spectroscopic insight into supramolecular assemblies of boric acid derivatives and Î²-cyclodextrin. Carbohydrate Polymers, 2018, 198, 294-301.	10.2	22
3	Solvation of Amides in DMSO and CDCl3: An Attempt at Quantitative DFT-Based Interpretation of 1H and 13C NMR Chemical Shifts. Journal of Physical Chemistry A, 2017, 121, 9645-9653.	2.5	15
4	Creatinine and creatininium cation in DMSO-d6 solution. Structure and restricted internal rotation of NH2 group. Magnetic Resonance in Chemistry, 2004, 42, 1027-1036.	1.9	13
5	Systematic discrepancy of theoretical predictions of NMR chemical shifts for chlorinated aromatic carbons using the GIAO DFT method. Molecular Physics, 2004, 102, 1903-1908.	1.7	13
6	Novel non-covalent stable supramolecular ternary system comprising of cyclodextrin and branched polyethylenimine. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2017, 87, 53-65.	1.6	11
7	Shielding and Indirect Spinâ€“Spin Coupling Tensors in the Presence of a Heavy Atom: An Experimental and Theoretical Study of Bis(phenylethynyl)mercury. Journal of Physical Chemistry A, 2012, 116, 10615-10620.	2.5	10
8	Solvation of Uracil and Its Derivatives by DMSO: A DFT-Supported ¹H NMR and ¹³C NMR Study. Journal of Physical Chemistry A, 2017, 121, 1841-1848.	2.5	10
9	Structure of Neutral Molecules and Monoanions of Selected Oxopurines in Aqueous Solutions As Studied by NMR Spectroscopy and Theoretical Calculations. Journal of Physical Chemistry A, 2011, 115, 2057-2064.	2.5	9
10	Carbon-13 and mercury-199 nuclear spin relaxation study on solution dynamics of the bis(phenylethynyl)mercury molecule and shielding anisotropy of its acetyleniccarbon and mercury nuclei. Magnetic Resonance in Chemistry, 2000, 38, 17-22.	1.9	8
11	Magnetic shielding tensors of carbon nuclei in 3,5-dichlorophenylacetylene, a theoreticalab initioand experimental study. Molecular Physics, 2002, 100, 273-286.	1.7	7
12	Scalar Relaxation of the Second Kind â€” A Potential Source of Information on the Dynamics of Molecular Movements. 2. Magnetic Dipole Moments and Magnetic Shielding of Bromine Nuclei. Journal of Physical Chemistry A, 2014, 118, 128-133.	2.5	7
13	Conformational Equilibrium of Cinchonidine in C₆D₁₂ Solution. Alternative NMR/DFT Approach. Journal of Physical Chemistry A, 2018, 122, 7832-7841.	2.5	6
14	Nuclear spin relaxation and magnetic shielding tensors of atoms constituting cyanogen bromide molecule. Molecular Physics, 2002, 100, 3349-3355.	1.7	4
15	Nuclear spin relaxation study of the solution reorientation of 3,5-dichlorophenyl- and phenylethynyl-mercury cyanide molecules and shielding tensors of nuclei forming the -HgCN and -CCHgCN groups: estimation of the heavy atom effect of mercury. Magnetic Resonance in Chemistry, 2003, 41, 788-793.	1.9	4
16	Inhibition of 4-hydroxyphenylpyruvate dioxygenase by 2-[2-nitro-4-(trifluoromethyl)benzoyl]-1,3-cyclohexanedione. Acta Biochimica Polonica, 2009, 56, 447-54.	0.5	3