Alexander N Isaev

List of Publications by Year
in descending order

25	261	1478505 6	940533 16
papers	citations	h-index	g-index

26	26	26	210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strong dispersion interaction of the carbanionic center in methide anion derivatives with halogen atom of metal halides. Journal of Chemical Sciences, 2022, 134, 1.	1.5	0
2	Nonconventional C(sp3)â‹¯Cl halogen bond in complexes of alkyl carbanions. Chemical Physics Letters, 2021, 763, 138195.	2.6	3
3	Comparative Analysis of Hydrogen, van der Waals, and Halogen Bonds in Ammonia Complexes with HCl and ClF Molecules. Russian Journal of Physical Chemistry A, 2019, 93, 2394-2406.	0.6	3
4	syn- and anti-H Bonds in Ammonia and Phosphine Complexes with Proton Donors. Russian Journal of Physical Chemistry A, 2018, 92, 1959-1969.	0.6	1
5	Ammonia and phosphine complexes with proton donors. Hydrogen bonding from the backside of the N(P) lone pair. Computational and Theoretical Chemistry, 2018, 1142, 28-38.	2.5	7
6	Two kinds of X Hâ‹¯C(sp 3) hydrogen bond formed by the methide anion: Syn- and anti- orientation of monomers. Computational and Theoretical Chemistry, 2017, 1117, 141-149.	2.5	7
7	Oâ€“HÂ·Â·Â·C hydrogen bond in the methaneâ€“water complex. Russian Journal of Physical Chemistry A, 2016, 90, 1978-1985.	0.6	8
8	Intermolecular charge transfer as evidence for unusual Oâ€“Hâ‹¯C(sp3) hydrogen bond. Computational and Theoretical Chemistry, 2016, 1090, 180-192.	2.5	16
9	Hydrogen bonded Ð¡â€“HÂ·Â·Â·Y (Y = O, S, Hal) molecular complexes: A natural bond orbital analysis. Russian Journal of Physical Chemistry A, 2016, 90, 601-609.	0.6	5
10	Keto-enol tautomerization of a peptide group with proton transfer through a water bridge. Russian Journal of Physical Chemistry A, 2015, 89, 1360-1367.	0.6	3
11	Structure of a proton wire in the harmonic model with allowance for the interproton interaction for the first and second neighbors. Russian Journal of Physical Chemistry A, 2014, 88, 2121-2128.	0.6	0
12	C-Hâ‹¯O, O-Hâ‹¯C, and C-Hâ‹¯C interactions in complexes of carbocations and carboanions. Russian Journal of Inorganic Chemistry, 2013, 58, 817-823.	1.3	6
13	On the question of hydrogen bond proton transfer. Russian Journal of Physical Chemistry A, 2012, 86, 69-74.	0.6	5
14	The role of intramolecular hydrogen bonds in nucleophilic addition reactions of ketenaminals. Russian Journal of Physical Chemistry A, 2012, 86, 1250-1253.	0.6	1
15	The geometry and electronic structure of the ionic defect in a chain of water molecules between a donor and an acceptor. Russian Journal of Physical Chemistry A, 2010, 84, 434-443.	0.6	3
16	Quantum-Chemical Calculations of a Long Proton Wire. Application of a Harmonic Model to Analysis of the Structure of an Ionic Defect in a Water Chain with an Excess Proton. Journal of Physical Chemistry A, 2010, 114, 2201-2212.	2.5	4
17	Charge transfer in systems of conjugated bonds in cyanobiphenyl molecules: Quantum-chemical calculations of the structure and vibrational spectra. Russian Journal of Physical Chemistry A, 2009, 83, 430-435.	0.6	2
18	Donor-acceptor interaction and intramolecular proton transfer in aminopolyenes. Russian Journal of Physical Chemistry A, 2009, 83, 2095-2102.	0.6	2

#	Article	IF	Citations
19	Periodicity in proton conduction along a Hâ€bonded chain. Application to biomolecules. International Journal of Quantum Chemistry, 2008, 108, 607-616.	2.0	5
20	Cooperative interactions of hydrogen bonds in proton-transfer processes involving water molecules. Simulation of biochemical systems. Russian Journal of General Chemistry, 2008, 78, 704-722.	0.8	0
21	The wave nature of the protonic conductivity mechanism in the active site of carboanhydrase. Russian Journal of Physical Chemistry A, 2007, 81, 924-928.	0.6	4
22	Proton Conduction by a Chain of Water Molecules in Carbonic Anhydrase. Journal of Physical Chemistry B, 2001, 105, 6420-6426.	2.6	42
23	Effect of structural relaxation on the binding energy in a molecular complex. The role of relaxation in the formation of intermediate for nucleophilic reactions of carbonyl compounds. Computational and Theoretical Chemistry, 1999, 490, 249-262.	1.5	4
24	Semiempirical and ab initio calculations on geometry and stability of intermediates. Stability of intermediates for nucleophilic reactions of carbonyl compounds in the gas phase and in solution. Computational and Theoretical Chemistry, 1985, 133, 263-268.	1.5	10
25	MNDO calculations on hydrogen bonds. Modified function for core-core repulsion. Theoretica Chimica Acta, 1984, 64, 397-401.	0.8	120