

Anatoly M Belostotskii

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Conformational Schemes: An Available Tool for the Assignment of NMR-Measured Barriers, Demonstrated with the Example of Crowded Piperidines. <i>Chemistry - A European Journal</i> , 1999, 5, 449-455.	3.3	40
2	Nitrogen Inversion in Cyclic Amines and the Bicyclic Effect. <i>Journal of Organic Chemistry</i> , 2002, 67, 9257-9266.	3.2	32
3	Calculated Chemical Shifts as a Fine Tool of Conformational Analysis: An Unambiguous Solution for Houxamine Alkaloids. <i>Journal of Organic Chemistry</i> , 2008, 73, 5723-5731.	3.2	32
4	Rate-Determining Role of Strain for Nitrogen Inversion in Polycyclic Tertiary Amines ¹ . <i>Journal of the American Chemical Society</i> , 1996, 118, 7783-7789.	13.7	24
5	On the influence of additives in electrolyte solutions on the electrochemical behavior of carbon/LiCoO ₂ cells at elevated temperatures. <i>Journal of Power Sources</i> , 2004, 136, 296-302.	7.8	21
6	Conformational Dynamics in Nitrogen-Fused Azabicycles. <i>Journal of Organic Chemistry</i> , 2003, 68, 3055-3063.	3.2	20
7	A simple method of preparation of 7-alkyl-7-azabicyclo[2.2.1]heptanes. <i>Tetrahedron Letters</i> , 1995, 36, 1709-1712.	1.4	17
8	Crowded Piperidines with Intramolecularly Hydrogen-Bonded Nitrogen: Synthesis and Conformation Study. <i>Chemistry - A European Journal</i> , 2002, 8, 3016.	3.3	17
9	Intramolecular dynamics in 4- to 6-membered saturated azacycles: a MM3 study. <i>Computational and Theoretical Chemistry</i> , 1998, 429, 265-273.	1.5	15
10	MM3 force field as a tool in mechanistic studies of nitrogen inversion processes for alkylamines. <i>Computational and Theoretical Chemistry</i> , 1997, 398-399, 427-434.	1.5	13
11	New nucleoside heteroanalogues: Desoxynucleoside selenocyanates. <i>Tetrahedron Letters</i> , 1999, 40, 1181-1184.	1.4	12
12	Conformational Preferences for 3-Piperidines: An Ab Initio and Molecular Mechanics Study. <i>Chemistry - A European Journal</i> , 2001, 7, 4715-4722.	3.3	12
13	N-Inversion-Associated Conformational Dynamics Is Unusually Rapid in Morphine Alkaloids. <i>Journal of Natural Products</i> , 2004, 67, 1842-1849.	3.0	12
14	Asymmetric Induction by a Remote Chiral Substituent – Computationally Determined Stereodifferentiation in Michael Additions of Lithiated Allyl Sulfones. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4837-4844.	2.4	11
15	A third type of alkylamines possessing high nitrogen inversion-rotation barriers. <i>Journal of Physical Organic Chemistry</i> , 1999, 12, 659-663.	1.9	10
16	Etherification of hydroxysteroids via triflates. <i>Tetrahedron Letters</i> , 1994, 35, 5075-5076.	1.4	6
17	On Li-chelating additives to electrolytes for Li batteries. <i>Journal of Coordination Chemistry</i> , 2004, 57, 1047-1056.	2.2	6
18	Relationship between the antifreeze activities and the chemical structures of polyols. <i>Journal of Molecular Structure</i> , 2008, 874, 170-177.	3.6	6

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19	NEW 3'-DEOXYTHYMIDINES BEARING A NUCLEOPHILIC 3'-SUBSTITUENT. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001, 20, 93-101.	1.1	5
20	The First Allylation of Esters by an Allylsilane: One-Pot Domino Synthesis of Triallylmethane Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2661-2670.	4.3	4
21	Essential reactive intermediates in nucleoside chemistry: cyclonucleoside cations. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6624.	2.8	3
22	Conformational analysis of polymethylated derivatives of piperidine by the method of molecular mechanics. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1991, 40, 77-82.	0.0	2
23	Meshedtert-butyl gears on a quasirigid backbone. <i>Journal of Computational Chemistry</i> , 1998, 19, 1786-1794.	3.3	2
24	Peptide conjugation: unexpected ring opening of azacrown ether nucleophiles in the oxazolone-based coupling. <i>Chemical Communications</i> , 2001, , 1960-1961.	4.1	2
25	Synthesis and properties of 1,2,2,6,6-pentamethyl-3,5-dimethylene-4-piperidone. <i>Chemistry of Heterocyclic Compounds</i> , 1984, 20, 761-766.	1.2	1
26	Nucleophilic addition to 1,2,2,6,6-pentamethyl-3,5-dimethylene-4-piperidone. <i>Chemistry of Heterocyclic Compounds</i> , 1987, 23, 665-669.	1.2	1
27	Possible use of 1,2,2,6,6-pentamethyl-3,5-dimethylene-4-piperidone in the synthesis of saturated heterocycles. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1989, 38, 593-596.	0.0	1
28	Photochemical oxidation of 1,2,2,6,6-pentamethyl-4-piperidol by ketones. <i>Chemistry of Heterocyclic Compounds</i> , 1981, 17, 1250-1250.	1.2	0
29	Pathways of photooxidation of 1,2,2,6,6-pentamethyl-4-piperidol by ketones. <i>Chemistry of Heterocyclic Compounds</i> , 1982, 18, 1280-1284.	1.2	0
30	Donor-acceptor complexes of 2,6-di-tert-butyl-1,4-benzoquinone with piperidone derivatives. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1985, 34, 2505-2507.	0.0	0
31	Stereoisomerism in macrocyclic bis(piperidones). <i>Chemistry of Heterocyclic Compounds</i> , 1986, 22, 1011-1016.	1.2	0
32	Polysubstituted 4-piperidones and 4-piperidols: Synthesis and spatial configuration. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1991, 40, 421-429.	0.0	0
33	Conformational Dynamics in Nitrogen-Fused Azabicycles.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
34	Nanosecond-Scale Isomerization of the 4'-Carboxonium Cation Oxidatively Produced in Pyrimidine Units of DNA. <i>Journal of Organic Chemistry</i> , 2018, 83, 11604-11613.	3.2	0