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Homepage:

C₃H₇NO₂	α-Alanine (2-aminopropanoic acid) Equilibrium structure by ED and QC <i>E. P. Altova, A. N. Rykov, L. V. Khristenko, E. Yu. L'vova, and I. F. Shishkov</i> Manuscript in preparation
C₄H₉NO₃	Threonine (2-amino-3-hydroxybutanoic acid) Equilibrium structure by ED and QC <i>D. S. Tikhonov, L. S. Khaikin, O. E. Grikina, and A. N. Rykov</i> Work in progress
C₄H₁₀N₂	1,2,3-Trimethyldiaziridine Molecular structure by ED <i>I. I. Marochkin, Vl. V. Kuznetsov, A. N. Rykov, N. N. Makhova, and I. F. Shishkov</i> Struct. Chem., in press
C₅H₄N₂O₄	Orotic acid (1,2,3,6-tetrahydro-2,6-dioxo-4-pyrimidinecarboxylic acid) Molar enthalpy of sublimation from experimental and computational data <i>I. I. Marochkin, E. P. Altova, N. S. Chilingarov, A. L. Vilkova, and I. F. Shishkov</i> Chem. Phys. Lett., 695 (2018) 107
C₅H₄N₂O₄	Orotic acid (1,2,3,6-tetrahydro-2,6-dioxo-4-pyrimidinecarboxylic acid) Molecular structure and conformations by ED and QC <i>N. Vogt, E. P. Altova, A. N. Rykov, J. Vogt, and I. F. Shishkov</i> Manuscript in preparation
C₆H₄N₂	4-Pyridinecarbonitrile re structure by (ED+MW) and ab initio <i>L. S. Khaikin, N. Vogt, A. N. Rykov, O. E. Grikina, J. Demaison, J. Vogt, I. V. Kochikov, Y. D. Shishova, E. S. Ageeva, and I. F. Shishkov</i> Russ. J. Phys. Chem. A, 92 (2018) 1970
C₆H₄N₂	3-Pyridinecarbonitrile re structure by (ED+MW) and ab initio <i>L. S. Khaikin, N. Vogt, A. N. Rykov, O. E. Grikina, J. Vogt, I. V. Kochikov, E. S. Ageeva, and I. F. Shishkov</i> Mendelev Comm., 28 (2018) 236

$C_6H_4N_2$	2-Pyridinecarbonitrile re structure by (ED+MW) and ab initio <i>N. Vogt, L. S. Khaikin, A. N. Rykov, O. E. Grikina, et al</i> Work in progress
$C_6H_5NO_2$	Pyridine-2-carboxylic acid (picolinic acid) Molecular structure and conformations by ED and coupled cluster calculations <i>N. Vogt, I. I. Marochkin, and A. N. Rykov</i> <i>Phys. Chem. Chem. Phys.</i> , 20 (2018) 9787
$C_6H_{12}N_2$	3-Cyclopropyl-1,2-dimethyldiaziridine Synthesis and structure by ED <i>E. P. Altova, Vl. V. Kuznetsov, I. I. Marochkin, A. N. Rykov, N. N. Makhova, and I. F. Shishkov</i> <i>Struct. Chem.</i> , 29 (2018) 815
C_7H_7NS	Thiobenzamide Equilibrium molecular structure by ED and QC <i>I. N. Kolesnikova, A. E. Putkov, A. N. Rykov, and I. F. Shishkov</i> <i>J. Mol. Struct.</i> , 1161 (2018) 76
$C_8H_4BrNO_2$	5-Bromoisatin Structure by ED and QC, conformation <i>A. V. Belyakov, K. O. Nikolaenko, P. B. Davidovich, A. D. Ivanov, A. I. Ponyaev, A. N. Rykov, I. F. Shishkov</i> <i>J. Mol. Struct.</i> , 1152 (2018) 361
$C_8H_4ClNO_2$	5-Chloroisatin Structure by ED and QC, conformation <i>A. V. Belyakov, K. O. Nikolaenko, P. B. Davidovich, A. D. Ivanov, A. I. Ponyaev, A. N. Rykov, I. F. Shishkov</i> <i>J. Mol. Struct.</i> , 1152 (2018) 361
$C_8H_4FNO_2$	5-Fluoroisatin Structure by ED and QC, conformation <i>A. V. Belyakov, K. O. Nikolaenko, P. B. Davidovich, A. D. Ivanov, A. I. Ponyaev, A. N. Rykov, I. F. Shishkov</i> <i>J. Mol. Struct.</i> , 1152 (2018) 361
$C_8H_{18}N_4$	Tetramezine diastereomers Equilibrium structure and their ratio by ED and QC and spectroscopic data <i>L. S. Khaikin, I. V. Kochikov, A. N. Rykov, O. E. Grikina, G. G. Ageev, I. F. Shishkov, V. V. Kuznetsov, and N. N. Makhova</i> <i>Phys. Chem. Chem. Phys.</i> , in press
$C_9H_6N_2O_3$	Nitroxoline Equilibrium structure by ED and QC <i>D. S. Tikhonov, D. I. Sharapa, A. A. Otyotov, P. M. Solyankin, A. N. Rykov, A. P. Shkurnikov, O. E. Grikina, and L. S. Khaikin</i> <i>J. Phys. Chem. A.</i> , 122 (2018) 1691
$C_9H_7NO_2$	1-Methylisatin Semiexperimental equilibrium structure from ED, structural changes in isatin due to 1-methyl and 5-fluoro substituents as predicted by coupled cluster computations <i>A. V. Belyakov, K. O. Nikolaenko, A. A. Oskorbin, N. Vogt, A. N. Rykov, and I. F. Shishkov</i> <i>Mol. Phys.</i> , in press
$C_9H_{12}ClN_5O$	Moxonidine Molecular structure ED and QC <i>I. N. Kolesnikova, A. N. Rykov, and I. F. Shishkov</i> Work in progress
$C_9H_{13}NO_3$	Adrenaline Structure by ED

	<p><i>E. P. Altova, I. I. Marochkin, A. N. Rykov, and I. F. Shishkov</i> Work in progress</p>
c₁o₁-₁,2-(EH)₂-₁,2-C₂B₁₀H₁₀(E=S,Se)	<p>Icosahedral carbaboranes with peripheral hydrogen-chalcogenide functions Semi-experimental equilibrium molecular structures by QC and GED <i>T. Baše, J. Holub, J. Fanfrlík, D. Hnyk, P. D. Lane, D. A. Wann, Yu. V. Vishnevskiy, D. S. Tikhonov, C. G. Reuter, and N. W. Mitzel</i> Chem. Eur. J., in press</p>