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C₂H₅NO₂	Nitroethane Equilibrium structure and internal rotation from GED and QC <i>I. F. Shishkov, V. A. Sipachev, P. I. Dem'yanov, O. V. Dorofeeva, N. Vogt, Yu. V. Vishnevskiy, and L. V. Vilkov</i> J. Mol. Struct. , in press
C₃H₆O₃ HOH ₂ C-CHOH-CHO	Glyceraldehyde Equilibrium structure from GED and QC, relative stability of conformers from QC <i>N. Vogt, E. G. Atavin, A. N. Rykov, E. V. Popov, and L. V. Vilkov</i> J. Mol. Struct. 936 (2009) 125-131
C₄H₂O₃ C ₂ H ₂ (CO) ₂ O	Maleic anhydride Equilibrium structure from GED+MW and QC (preliminary data) <i>E. P. Altova, N. Vogt, and N. Karasev</i> HRMS, 21st Colloquium, Castellamare di Stabia, Italy, 2009, P044.
C₄H₂O₃ C ₂ H ₂ (CO) ₂ O	Maleic anhydride Equilibrium structure from GED+MW and QC <i>N. Vogt, E. P. Altova, and N. Karasev</i> J. Mol. Struct., in press
C₄H₄CIN	N-Chlorosuccinimide The equilibrium structure from GED and QC <i>Yu. V. Vishnevskiy, N. Vogt, V. I. Korepanov, A. A. Ivanov, L. V. Vilkov, V. V. Kuznetsov, and N. N. Mahova</i> Struct. Chem. 20 (2009) 435-442
C₄H₄O₄ HOOCCHCHCOOH	Fumaric acid Equilibrium structure and conformational composition GED and QC <i>N. Vogt, M. Abaev, N.M. Karasev</i> manuscript in preparation
C₄H₅NO₂	2,5-Pyrrolidinedione (Succinimide) Equilibrium structure and flexibility of the saturated five-membered ring from GED and QC with use of spectroscopic data <i>N. Vogt, L. S. Khaikin, O. E. Grikina, N. M. Karasev, J. Vogt, and L. V. Vilkov</i> J. Phys. Chem. A 113 (2009) 931-937
C₄H₆O₄ HOOCCH ₂ CH ₂ COOH	Succinic acid Structure from QC and preliminary GED data <i>M. Abaev, N. Vogt, I.F. Shishkov, J. Vogt, A.N. Rykov, L.V. Vilkov, H. Oberhammer</i> 23rd Austin Symp.Mol.Struct.Dynamics, Austin, 2010, p.22
	Succinic acid

<p>C₄H₆O₄ HOOCCH₂CH₂COOH</p>	<p>Equilibrium structure and conformational composition from GED and QC <i>N. Vogt, M. Abaev, I. F. Shishkov, A.N. Rykov,</i> Manuscript in preparation</p>
<p>C₅H₅N₅</p>	<p>9H-Adenine Equilibrium structure from GED and QC <i>N. Vogt, O. Dorofeeva, V. A. Sipachev, and A. N. Rykov</i> <i>J. Phys. Chem. A</i> 113 (2009) 13816-13823</p>
	<p>Structure of free polyatomic molecules <i>E. Hirota, K. Kuchitsu, T. Steimle, M. Tanimoto, J. Vogt, and N. Vogt,</i> <i>Volume II/30, edited by K. Kuchitsu, N. Vogt, and M. Tanimoto</i> manuscript in preparation</p>
	<p>Molecular constants mostly from microwave spectroscopy, molecular beam and sub-Doppler laser spectroscopy Mostly from Microwave Spectroscopy, Molecular Beam and Sub-Doppler Laser Spectroscopy <i>J. Demaison, J. Vogt, and G. Wlodarczak</i> in press</p>
	<p>MOGADOC update 2010 <i>J. Vogt, N. Vogt, R. Rudert, K. Deutzmann</i> update in preparation</p>
	<p>3D visualization of molecular structures in the MOGADOC database <i>N. Vogt, E. Popov, R. Rudert, R. Kramer, and J. Vogt</i> <i>J. Mol. Struct.</i>, in press</p>
	<p>Improved procedure of treatment of gas-phase electron diffraction (GED) images (IP) <i>N. Vogt, R. Rudert, J. Vogt, A. N. Rykov, N. M. Karasev, I. F. Shishkov, J. Crassous</i> HRMS, 21st Colloquium, Castellamare di Stabia, Italy, 2009</p>
	<p>DNA and RNA nucleobases Enthalpies of formation from G3X theory <i>O. Dorofeeva and N. Vogt</i> <i>J. Chem. Engin. Data</i> 20 (2009) 1348-1352</p>