

**Dr. Natalja Vogt**  
**Dr. Jürgen Vogt**  
 Dr. Rainer Rudert  
 Chemieinformationssysteme  
 Universität Ulm  
 D-89069 Ulm  
 Germany

Telephone: (+49) 731 50-31050  
 Telefax: (+49) 731 50-31059  
 E-Mail: natalja.vogt@uni-ulm.de  
 juergen.vogt@uni-ulm.de  
 rainer.rudert@uni-ulm.de  
 Homepage: <http://www.uni-ulm.de/nawi/cheminfo.html>

|   |  |
|---|--|
| <b>C<sub>4</sub>H<sub>2</sub>O<sub>3</sub></b>  | <b>Maleic anhydride</b><br>Equilibrium structure and spectroscopic constants<br><i>N. Vogt, J. Demaison, and H. D. Rudolph</i><br><i>Struct. Chem.</i> , <b>22</b> (2011), 337   |
| <b>C<sub>4</sub>H<sub>4</sub>O<sub>4</sub></b>  | <b>Fumaric acid</b><br>Microwave spectrum and dipole moment of polar conformer<br><i>N. Vogt, K. P. R. Nair, J. Vogt, and J.-U. Grabow</i><br><i>J. Mol. Spectrosc.</i> , <b>268</b> (2011), 16  |
| <b>C<sub>4</sub>H<sub>6</sub>O<sub>4</sub></b><br><b>HOOCCH<sub>2</sub>CH<sub>2</sub>COOH</b> | <b>Succinic acid</b><br>Equilibrium structure and conformational composition from GED and QC<br><br><i>N. Vogt, M. Abaev, I. F. Shishkov, A. N. Rykov</i><br><i>J. Mol. Struct.</i> , <b>996</b> (2011), 120   |
| <b>HOP</b><br><b>HPO</b>  | <b>Oxyphosphine</b><br>Semi-experimental equilibrium structure from MW and ab initio<br><i>N. Vogt, J. Vogt, J. Demaison</i><br><i>Asian J. Spectrosc.</i> , special issue (2010), 61  |
|   | <b>Vitamin K1</b><br>Theoretical study of conformational composition<br><i>A. V. Zakharov and N. Vogt</i><br><i>Struct. Chem.</i> , <b>22</b> (2011), 305  |
|   | <b>Structure of Free Polyatomic Molecules</b><br><i>E. Hirota, K. Kuchitsu, T. Steimle, M. Tanimoto, J. Vogt, and N. Vogt</i><br>manuscript in progress  |
|   | <b>Molecular Constants from Microwave, Molecular Beam, and Sub-Doppler Laser Spectroscopy</b><br>Asymmetric Top Molecules. (C <sub>3</sub> HArN...C <sub>5</sub> H <sub>13</sub> O <sub>3</sub> P)<br><i>J. Demaison and J. Vogt</i><br>Landolt-Börnstein New Series II/29D2, Springer, Berlin, (2011) 560 pp. |
|   | <b>Molecular Constants from Microwave, Molecular Beam, and Sub-Doppler Laser Spectroscopy</b><br>Asymmetric Top Molecules. (AgHO...C <sub>2</sub> O <sub>3</sub> )<br><i>J. Demaison and J. Vogt</i><br>Landolt-Börnstein New Series II/29D1, Springer, Berlin, (2010) 501 pp.                                 |
|   | <b>Molecular Constants from Microwave Spectroscopy, Molecular Beam, and Sub-Doppler Laser Spectroscopy</b><br>Asymmetric Top Molecules. (C <sub>6</sub> HN...Si <sub>3</sub> )<br><i>J. Demaison and J. Vogt</i><br>Landolt-Börnstein New Series II/29D3, Springer, Berlin, (2011) 499 pp.                     |
|   | <b>MOGADOC</b><br>A Versatile Database for Molecular Spectroscopists and Structural Chemists<br><i>J. Vogt and N. Vogt</i>   |

|  |  |
|--|--|
|  | Asian J. Spectrosc., special issue, (2010) 67  |
|  | <b>MOGADOC</b><br>update 2011/2012<br><i>J. Vogt, N. Vogt, R. Rudert, K. Deutzmann</i><br>update in preparation  |
|  | <b>MOGADOC</b><br>3D Visualization of Molecular Structures in the MOGADOC Database<br><i>N. Vogt, E. Popov, R. Rudert, R. Kramer, and J. Vogt</i><br><i>J. Mol. Struct.</i> , <b>978</b> (2010), 201   |
|  | <b>Accuracy</b><br>Accuracy of rotational constants<br><i>N. Vogt, J. Vogt, and J. Demaison</i><br><i>J. Mol. Struct.</i> , <b>988</b> (2011), 119   |
|  | <b>Use of imaging plates in the GED experiments</b><br>Use of imaging plates (IPs) in the gas-phase electron diffraction (GED) experiments on the EG-100M apparatus. The tetrachloromethane molecule as a test object.<br><br><i>N. Vogt, R. Rudert, A. N. Rykov, N. M. Karasev, I. F. Shishkov, J. Vogt</i><br><i>Struct. Chem.</i> , <b>22</b> (2011), 287 |