

Prof. Dr. Igor F. Shishkov

Prof. Dr. Evgenii G. Atavin
Prof. Dr. Olga V. Dorofeeva
Prof. Dr. Leonid S. Khaikin
Prof. Dr. V. A. Sipachev
Dr. Lyudmila V. Khristenko
Dr. N. M. Karasev
Dr. A. N. Rykov
M. Abaev
E. Altova
Department of Chemistry
Moscow State University
119992 GSP-2, Leninskiye gori 1, Moscow
Russia

Telephone: (+7) (95)939-26-37
Telefax: (+7) (95)932-88-46
E-Mail: IFSishkov@phys.chem.msu.ru
dorofeeva@phys.chem.msu.ru
khrist@phys.chem.msu.ru

Homepage:

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. 978 (2010), 41
C₄H₂O₃ C₂H₂(CO)₂O	Maleic anhydride Equilibrium structure from GED+MW and QC <i>N. Vogt, E. P. Altova, and N. Karasev</i> J. Mol. Struct. 978 (2010), 153
C₄H₄N₂O₃ HN(C=O)CH₂(C=O)NH(C=O)	Barbituric acid Structure, conformation and large amplitude motion by ED and quantum chemical calculations <i>O. V. Dorofeeva, I. I. Marochkin, N. M. Karasev, I. F. Shishkov, H. Oberhammer</i> Struct. Chem. (2011), in press
C₄H₄O₄ HOOCCHCHCOOH	Fumaric acid Equilibrium structure and conformational composition of succinic acid from GED and QC <i>N. Vogt, M. Abaev, N. M. Karasev</i> J. Mol. Struct., in press
C₄H₆O₄ HOOCCH₂CH₂COOH	Succinic acid Equilibrium structure and conformational composition from GED and QC <i>N. Vogt, M. Abaev, I. F. Shishkov, A. N. Rykov,</i> Manuscript in preparation
	Acetyldimethylphosphine

<p>C₄H₉OP (CH₃)₂POCH₃</p>	<p>Quantum chemical and electron diffraction study of molecular structure of formylphosphine and acetyldimethylphosphine. <i>L. S. Khaikin, O. E. Grikina, N. F. Stepanov</i> Zh. Fiz. Khim. 84 (2010), 1913/Russ. J. Phys. Chem. A 84 (2010), 1745</p>
<p>C₅H₁₀N₄ C₄H₈N-CH₂-N₃</p>	<p>N-Azidomethylpyrrolidine Anomeric effect in N-azidomethylpyrrolidine: ED and theoretical study <i>O. V. Dorofeeva, A. V. Mitin, E. P. Altova, N. M. Karasev, O. G. Nabiev, L. V. Vilkov, H. Oberhammer</i> Phys. Chem. Chem. Phys. 13 (2011), 1490</p>
<p>C₅H₁₂N₄O₂ H₂NNHNNHNO₂</p>	<p>1,1,3,3-Tetramethyl-2-nitroguanidine Structure by ED <i>L. S. Khaikin, O. E. Grikina, G. V. Girichev, A. Kovacs, K. P. Dyugaev, A. M. Astachov</i> Zh. Fiz. Khim. 85 (2011), 508/Russ. J. Phys. Chem. A 85 (2011), 441</p>
<p>C₆H₁₀N₂O₂ (CH₂)₃C(O)N-CH₂-C(O)NH₂</p>	<p>2-Oxo-1-pyrrolidineacetamide Structure and conformations by ED and quantum chemical calculations <i>D. N. Ksenafontov, N. F. Moiseeva, L. V. Khristenko, N. M. Karasev, L. V. Vilkov, I. F. Shishkov</i> J. Mol. Struct. 984 (2010), 89</p>
<p>C₈H₁₀O₂ C₆H₄(OCH₃)₂</p>	<p>1,3-Dimethoxybenzene Molecular structure of 1,3-dimethoxybenzene as studied by gas-phase electron diffraction and quantum chemical calculations <i>O. V. Dorofeeva, I. F. Shishkov, A. N. Rykov, L. V. Vilkov, H. Oberhammer</i> J. Mol. Struct. 978 (2010), 35</p>