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Homepage:

<b>C<sub>5</sub>H<sub>10</sub>O<sub>2</sub></b> CH <sub>3</sub> -C(O)-CH(CH <sub>3</sub> )-C(O)-CH <sub>3</sub>	<b>3-Methyl-2,4-pentanedione</b> Structure by GED/MS and QC <i>N. V. Belova, G. V. Girichev, H. Oberhammer, N. H. Trang, and S. A. Shlykov</i> J. Mol. Struct., 2012, in press
<b>C<sub>6</sub>H<sub>4</sub>ClNO<sub>4</sub>S</b> C <sub>6</sub> H <sub>4</sub> (NO <sub>2</sub> )(SO <sub>2</sub> Cl)	<b>2-Nitrobenzenesulfonyl chloride molecule</b> Structure by GED/MS and QC <i>V. M. Petrov, N. I. Giricheva, G. V. Girichev, A. V. Bardina, V. N. Petrova, and S. N. Ivanov</i> Zh. Strukt. Khim. (Russian), <b>52</b> (2011), 690
<b>C<sub>6</sub>H<sub>5</sub>NO<sub>5</sub>S</b> C <sub>6</sub> H <sub>4</sub> (NO <sub>2</sub> )(SO <sub>3</sub> H)	<b>2-Nitrobenzenesulfonic acid</b> Structure by GED/MS and QC <i>V. M. Petrov, N. I. Giricheva, G. V. Girichev, V. N. Petrova, S. N. Ivanov, and A. V. Bardina</i> Zh. Strukt. Khim. (Russian), <b>52</b> (2011), 60
<b>C<sub>6</sub>H<sub>9</sub>OSi</b> CH <sub>3</sub> O-Si(H)C <sub>5</sub> H <sub>10</sub>	<b>1-Methoxysilacyclohexane</b> Structure by GED/MS and QC <i>I. Arnason, N. I. Giricheva, G. V. Girichev, Yu. A. Zhabanov, S. A. Shlykov, and B. Puchkov</i> Manuscript in preparation
<b>C<sub>6</sub>H<sub>13</sub>SiF</b> SiC <sub>6</sub> H <sub>13</sub> F	<b>1-Fluoro-1-methyl-silacyclohexane</b> GED, low temperature NMR, temperature dependent Raman spectroscopy, QC <i>S. Ó. Wallevik, R. Bjornsson, Á. Kvaran, S. Jonsdottir, G. V. Girichev, N. I. Giricheva, K. Hassler, and I. Arnason</i> J. Mol. Struct., <b>978</b> (2010), 209
<b>C<sub>7</sub>H<sub>13</sub>SiF<sub>3</sub></b> SiC <sub>7</sub> H <sub>13</sub> F <sub>3</sub>	<b>1-Methyl-1-trifluoromethyl-1-silacyclohexane</b> GED, low temperature NMR, temperature dependent Raman spectroscopy, QC <i>S. Ó. Wallevik, R. Bjornsson, Á. Kvaran, S. Jonsdottir, G. V. Girichev, N. I. Giricheva, K. Hassler, and I. Arnason</i> J. Mol. Struct., <b>978</b> (2010), 209
<b>C<sub>7</sub>H<sub>17</sub>NSi</b> N(CH <sub>3</sub> ) <sub>2</sub> -Si(H)C <sub>5</sub> H <sub>10</sub>	<b>1-Dimethylaminosilacyclohexane</b> Structure by GED/MS and QC <i>I. Arnason, N. I. Giricheva, G. V. Girichev, and Yu. S. Medvedeva</i> Manuscript in preparation
<b>C<sub>8</sub>H<sub>20</sub>N<sub>4</sub>O<sub>4</sub>Ti</b> Ti((ONMeCH <sub>2</sub> ) <sub>2</sub> ) <sub>2</sub>	<b>Bis(1,2-dimethylnitrosoethane)titanium</b> Structure by XRD, GED/MS and QC <i>A. Willner, H.-G. Stammler, R. J. F. Berger, G. V. Girichev, N. I. Giricheva, N. W. Mitzel</i> Manuscript in preparation
<b>C<sub>10</sub>H<sub>7</sub>ClO<sub>2</sub>S</b>	<b>α-Naphthalenesulfonyl chloride</b> Structure by GED/MS and QC

$C_{10}H_7(SO_2Cl)$	<i>N. I. Giricheva, G. V. Girichev, V. M. Petrov, H. Oberhammer, V. N. Petrova, and S. N. Ivanov</i> Manuscript in preparation
$C_{10}H_7ClO_2S$ $C_{10}H_7(SO_2Cl)$	<b><math>\beta</math>-Naphthalenesulfonyl chloride</b> Structure by GED/MS and QC <i>N. I. Giricheva, V. M. Petrov, H. Oberhammer, G. V. Girichev, V. N. Petrova, and S. N. Ivanov</i> Manuscript complete
$C_{10}H_7FO_2S$ $C_{10}H_7(SO_2F)$	<b><math>\beta</math>-Naphthalenesulfonyl fluoride</b> Structure by GED/MS and QC <i>N. I. Giricheva, V. M. Petrov, H. Oberhammer, G. V. Girichev, V. N. Petrova, and S. N. Ivanov</i> Manuscript complete
$C_{10}H_{10}O_2$ $CH_3-C(O)-CH_2-C(O)-C_6H_5$	<b>Benzoylacetone</b> Structure by GED/MS and QC <i>N. V. Belova, G. V. Girichev, H. Oberhammer, N. H. Trang, and S. A. Shlykov</i> J. Phys. Chem. A, 2012 in press
$C_{10}H_{18}Cu_2O_4$ $Cu_2C_{10}H_{18}O_4$	<b>Copper pivalate dimer</b> Structure by GED/MS and QC <i>A. S. Alikhanyan, K. V. Didenko, G. V. Girichev, N. I. Giricheva, O. A. Pimenov, S. A. Shlykov, and G. A. Zhurko</i> Struct. Chem., <b>22</b> (2011), 401
$C_{15}H_3F_8O_6Sm$ $SmC_{15}F_{18}O_6H_3$	<b>Tris(hexafluoroacetylacetonato)samarium</b> Structure by GED/MS and QC <i>V. V. Rybkin, N. V. Tverdova, G. V. Girichev, S. A. Shlykov, N. P. Kuzmina, and I. G. Zaitseva</i> J. Mol. Struct., <b>1006</b> (2011), 173
$C_{15}H_3F_{18}LaO_6$ $LaC_{15}F_{18}O_6H_3$	<b>Tris(hexafluoroacetylacetonato)lanthanum</b> Structure by GED/MS and QC <i>V. V. Rybkin, N. V. Tverdova, G. V. Girichev, S. A. Shlykov, N. P. Kuzmina, and I. G. Zaitseva</i> J. Mol. Struct., <b>1006</b> (2011), 173
$C_{15}H_3F_{18}NdO_6$ $NdO_6F_{18}O_6H_3$	<b>Tris(hexafluoroacetylacetonato)neodymium</b> Structure by GED/MS and QC <i>V. V. Rybkin, N. V. Tverdova, G. V. Girichev, S. A. Shlykov, N. P. Kuzmina, and I. G. Zaitseva</i> J. Mol. Struct., <b>1006</b> (2011), 173
$C_{15}H_{12}O_2$ $C_6H_5-C(O)-CH_2-C(O)-C_6H_5$	<b>Dibenzoylmethane</b> Tautomeric and conformational properties by GED and QC study <i>N. V. Belova, H. Oberhammer, and G. V. Girichev</i> J. Struct. Chem., <b>22</b> (2011), 269
$C_{15}H_{21}CoO_6$	<b>Tris(acetylacetonato)cobalt</b> Structure by GED/MS and QC <i>G. V. Girichev, N. V. Tverdova, S. A. Shlykov, N. P. Kuz'mina, I. G. Zaitseva, and A. A. Petrova</i> Manuscript in preparation
$C_{15}H_{21}CrO_6$	<b>Tris(acetylacetonato)chromium</b> Structure by GED/MS and QC <i>G. V. Girichev, N. V. Tverdova, S. A. Shlykov, N. P. Kuz'mina, I. G. Zaitseva, and A. A. Petrova</i> Manuscript in preparation
$C_{16}H_{16}N_2O_2$ $C_{16}H_{16}N_2O_2$	<b>N,N'-Ethylene-bis(salicylideneimine)</b> Structure by QC <i>V. V. Sliznev, and G. V. Girichev</i> Zh. Strukt. Khim. (Russian), <b>52</b> (2011), 22

<b>C<sub>20</sub>H<sub>14</sub>CuN<sub>2</sub>O<sub>2</sub></b> CuH <sub>14</sub> C <sub>20</sub> O <sub>2</sub> N <sub>2</sub>	<b>N,N-(o-Phenylene)-bis(salicylidenediamino)copper</b> Structure by GED/MS and QC <i>G. V. Girichev, N. I. Giricheva, E. D. Pelevina, N. V. Tverdova, N. P. Kuz'mina, and O. V. Kotova</i> Struct. Chem., <b>22</b> (2011), 441
<b>C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>NiO<sub>2</sub></b> NiH <sub>14</sub> C <sub>20</sub> O <sub>2</sub> N <sub>2</sub>	<b>N,N-(o-Phenylene)-bis(salicylidenediamino)nickel</b> Structure by GED/MS and QC <i>G. V. Girichev, N. I. Giricheva, E. D. Pelevina, N. V. Tverdova, N. P. Kuz'mina, and O. V. Kotova</i> J. Mol. Struct., <b>1012</b> (2012), 151
<b>C<sub>28</sub>H<sub>28</sub>N<sub>4</sub>Ni</b> NiN <sub>4</sub> C <sub>28</sub> H <sub>28</sub>	<b>Octamethylporphyrin nickel(II)</b> Structure by GED/MS and QC <i>G. V. Girichev, N. I. Giricheva, O. I. Koifman, Yu. V. Minenkov, A. E. Pogonin, A. S. Semeikin, and S. A. Shlykov</i> Manuscript in preparation
<b>C<sub>28</sub>H<sub>28</sub>N<sub>4</sub>Sn</b> SnN <sub>4</sub> C <sub>28</sub> H <sub>28</sub>	<b>Octamethylporphyrin tin(II)</b> Structure by GED/MS and QC <i>G. V. Girichev, N. I. Giricheva, O. I. Koifman, Yu. V. Minenkov, A. E. Pogonin, A. S. Semeikin, and S. A. Shlykov</i> Dalton Trans., submitted
<b>C<sub>30</sub>H<sub>15</sub>N<sub>15</sub>S<sub>3</sub></b>	<b>Trithia-2,3,5,10,12,13,15,20,22,23,25,30-dodecaazahexaphyrine</b> Mass-spectrometric study of saturated vapors <i>O. N. Trukhina, Y. A. Zhabanov, A. V. Krasnov, E. A. Danilova, and M. K. Islyaikin</i> J. Porphyrins Phthalocyanines, <b>15</b> (2011), 1
<b>C<sub>32</sub>H<sub>16</sub>CuN<sub>8</sub></b> CuC <sub>32</sub> H <sub>16</sub> N <sub>8</sub>	<b>Copperphthalocyanine</b> Structure by GED/MS and QC <i>N. V. Tverdova, G. V. Girichev, N. I. Giricheva, and O. A. Pimenov</i> Struct. Chem., <b>22</b> (2011), 319
<b>C<sub>32</sub>H<sub>16</sub>N<sub>8</sub>Ni</b> NiC <sub>32</sub> H <sub>16</sub> N <sub>8</sub>	<b>Nickelphthalocyanine</b> Structure by GED/MS and QC <i>N. V. Tverdova, G. V. Girichev, N. I. Giricheva, and O. A. Pimenov</i> Manuscript in preparation
<b>C<sub>33</sub>H<sub>57</sub>AlO<sub>6</sub></b> AlO <sub>6</sub> C <sub>33</sub> H <sub>57</sub>	<b>Aluminium dipivaloylmethanate</b> Structure by GED/MS and QC <i>N. V. Belova, B. Dalhus, G. V. Girichev, N. I. Giricheva, A. Haaland, N. P. Kuzmina, and T. A. Zhukova</i> Struct. Chem., <b>22</b> (2011), 393
<b>C<sub>33</sub>H<sub>57</sub>GaO<sub>6</sub></b> GaO <sub>6</sub> C <sub>33</sub> H <sub>57</sub>	<b>Gallium dipivaloylmethanate</b> Structure by GED/MS and QC <i>N. V. Belova, G. V. Girichev, N. I. Giricheva, T. A. Zhukova, and N. P. Kuzmina</i> Izv. Vys. Uch. Zav., Khim. Khim. Tekhnol., <b>54</b> (2) (2011), 26
<b>I<sub>2</sub>Be</b> BeI <sub>2</sub>	<b>Beryllium diiodide</b> Structure by GED/MS and QC (CCSD(T)) <i>S. A. Shlykov, Yu. A. Zhabanov, A. V. Zakharov, G. V. Girichev, and N. I. Giricheva</i> Manuscript in preparation
<b>I<sub>3</sub>Gd</b> GdI <sub>3</sub>	<b>Gadolinium triiodide</b> Structure by GED/MS and QC <i>N. I. Giricheva, S. A. Shlykov, E. A. Lapykina, H. Oberhammer, and G. V. Girichev</i> Struct. Chem., <b>22</b> (2011), 385
<b>I<sub>3</sub>Pr</b>	<b>Praseodymium triiodide</b> Structure by GED/MS and QC

Prl <sub>3</sub>	<i>N. I. Giricheva, S. A. Shlykov, E. A. Lapykina, H. Oberhammer, and G. V. Girichev</i> Struct. Chem., <b>22</b> (2011), 385
	<b>Dipivaloylmethanato complexes of Nd, Er, Yb and Lu</b> Mass-spectrometric study of overheated vapors <i>G. V. Girichev, N. V. Belova, N. K. Chang, S. A. Shlykov, and N. P. Kuzmina</i> Zh. Neorg. Khim., <b>56</b> (2011), 1421
	<b>Dipivaloylmethanato complexes of B, Al, Ga, Y and Tl</b> QC structure <i>N. V. Belova, V. V. Sliznev, T. A. Zhukova, and G. V. Girichev</i> Comput. Theor. Chem., <b>967</b> (2011), 199
	<b>N,N-(<i>o</i>-Phenylen)-bis(salicylidenediamino)complexes of Ni, Cu and Zn</b> Mass-spectrometric study of saturated vapors <i>N. V. Tverdova, E. D. Pelevina, A. V. Krasnov, Yu. A. Zhabanov, G. V. Girichev, N. P. Kuz'mina, and O. V. Kotova</i> Russ. J. Phys. Chem. A, <b>86</b> (2012), 911
	<b><math>\beta</math>-Diketonates</b> Internal rotation of CX <sub>3</sub> substituents by QC study <i>N. V. Belova, G. V. Girichev, and H. Oberhammer</i> Zh. Strukt. Khim. (Russian), <b>2</b> (2011), 246
	<b>Dipivaloylmethanato complexes of Al, Ga and Y</b> Mass-spectrometric study of saturated vapors <i>T. A. Zhukova, N. V. Belova, A. V. Krasnov, G. V. Girichev, Yu. A. Zhabanov, and N. P. Kuzmina</i> Izv. Vys. Uch. Zav., Khim. Khim. Tekhnol., <b>54</b> (5) (2011), 31
	<b>Dipivaloylmethanato complexes of Al, Ga and Y</b> IR spectroscopy <i>T. A. Zhukova, N. V. Belova, V. V. Sliznev, N. P. Kuzmina, and G. V. Girichev</i> Izv. Vys. Uch. Zav., Khim. Khim. Tekhnol., <b>54</b> (5) (2011), 44
	<b>Dialkali derivatives of porphyrazine, porphine and phthalocyanine</b> QC structure <i>V. V. Sliznev, and G. V. Girichev</i> Macroheterocycles., <b>4</b> (2011), 8