

Prof. Dr. Georgiy V. Girichev

Prof. Dr. Nina I. Giricheva
Ivanovo State University of
Chemistry and Technology
Department Physics
Engels av. 7
153000 Ivanovo
Russia

Telephone: (+7) (4932) 359874

Telefax: (+7) (4932) 417995

E-Mail: girichev@isuct.ru

Homepage:

Be₂ Be ₂	Beryllium diiodide 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
Br₃Y YBr ₃	Yttrium tribromide Structure by GED/MS, QC <i>S. A. Shlykov and H. Oberhammer</i> XXIV. Symposium on molecular structure and dynamics, USA, Dallas, (2012), p. 165
C₃H₇NO₃ COOHCH(NH ₂)CH ₂ OH	L-Serine Mass-spectrometric study of saturated vapors <i>E. Y. Tyunina, V. G. Badelin, G. V. Girichev, and V. V. Tyunina</i> XVIII. International Conference on Chemical Thermodynamics in Russia, (2011), 162-163p
C₃H₇NO₃ COOHCH(NH ₂)CH ₂ OH	L-Serine Mass-spectrometric study of saturated vapors and QC <i>V. G. Badelin, E. Y. Tyunina, G. V. Girichev, V. V. Tyunina, and A. V. Krasnov</i> Liquid Crystals, 4 (2010), 57
C₄Br₄O	Tetrabromofurane Structure by QC <i>Y. A. Zhabanov, C. M. L. Van de Velde, F. Blockhuys, and S. A. Shlykov</i> J. Mol. Struct., 1030 (2012), 75
C₄Br₄S	Tetrabromothiophene Structure by GED/MS, QC <i>Y. A. Zhabanov, C. M. L. Van de Velde, F. Blockhuys, and S. A. Shlykov</i> J. Mol. Struct., 1030 (2012), 75
C₄Br₄Se	Tetrabromoselenophene Structure by GED/MS, QC <i>Y. A. Zhabanov, C. M. L. Van de Velde, F. Blockhuys, and S. A. Shlykov</i> J. Mol. Struct., 1030 (2012), 75
C₄Br₄Te	Tetrabromotellurophene Structure by QC <i>Y. A. Zhabanov, C. M. L. Van de Velde, F. Blockhuys, and S. A. Shlykov</i> J. Mol. Struct., 1030 (2012), 75
C₄HF₁₀OP (C ₂ F ₅) ₂ POH	Hydroxo-bis(pentafluoroethyl)phosphane Structure by GED and QC <i>A. V. Zakharov, N. Allefeld, J. Bader, B. Kurscheid, S. Steinhauer, B. Hoge, Yu. V. Vishnevskiy, B. Neumann, H.-G. Stammler, R. J. F. Berger, and N. W. Mitzel</i> Manuscript in preparation
	Bis(pentafluoromethyl)phosphine

C₄HF₁₀P (C ₂ F ₅) ₂ PH	Structure by GED and QC A. V. Zakharov, N. Allefeld, J. Bader, B. Kurscheid, S. Steinhauer, B. Hoge, Yu. V. Vishnevskiy, B. Neumann, H.-G. Stammler, R. J. F. Berger, and N. W. Mitzel Manuscript in preparation
C₅H₁₀N₂O₃ NH ₂ CH ₂ CONHCH(CH ₃)CO OH	Glycyl-L-alanine Mass-spectrometric study of saturated vapors V. G. Badelin, E. Y. Tyunina, A. V. Krasnov, V. V. Tyunina, N. I. Giricheva, and G. V. Girichev Zh. Fiz. Khim., 86 (2012), 528 / Russ. J. Phys. Chem., 86 (2012), 457
C₅H₁₀O₂ CH ₃ -C(O)-CH(CH ₃)-C(O)- CH ₃	3-Methyl-2,4-pentanedione Structure by GED/MS and QC N. V. Belova, G. V. Girichev, H. Oberhammer, N. H. Trang, and S. A. Shlykov J. Mol. Struct., 1023 (2012), 49
C₆H₃N₃O₉S C ₆ H ₂ (NO ₃) ₃ SO ₂ OH	2,4,6-Trinitrobenzenesulfonic acid Structure by GED/MS and QC N. I. Giricheva, G. V. Girichev, Y. S. Medvedeva, S. N. Ivanov, and V. M. Petrov Struct. Chem., 23 (2012), 895
C₆H₆O₃S C ₆ H ₅ -SO ₂ OH	Benzenesulfonic acid Structure by GED/MS and QC N. I. Giricheva, G. V. Girichev, Y. S. Medvedeva, S. N. Ivanov, V. M. Petrov, and M. S. Fedorov J. Mol. Struct., 1023 (2012), 25
C₆H₁₂N₂O₃ NH ₂ CH(CH ₃)CONHCH(CH ₃) COOH	L-Alanyl-L-alanine Mass-spectrometric study of saturated vapors V. G. Badelin, E. Y. Tyunina, A. V. Krasnov, V. V. Tyunina, N. I. Giricheva, and G. V. Girichev Zh. Fiz. Khim., 86 (2012), 528 / Russ. J. Phys. Chem., 86 (2012), 457
C₆H₁₅NSi C ₄ H ₈ N(CH ₃)Si(CH ₃) ₂ H	1,3-Dimethyl-1, 3-azasilinane Structure by GED/MS, QC, NMR, IR and Raman B. A. Shainyan, S. V. Kirpichenko, E. Kleinpeter, S. A. Shlykov, and N. N. Chipanina Manuscript in preparation
C₇H₈O₃S C ₆ H ₅ -SO ₂ -OCH ₃	Benzenesulfonic acid methyl ester Structure by QC M. A. Fedorov, N. I. Giricheva, Yu. S. Medvedeva, and G. V. Girichev Herald of the Ivanovo State University, 2 (2012), 67
C₇H₁₇NSi C ₄ H ₈ N(CH ₃)Si(CH ₃) ₂	1,3,3-Trimethyl-1, 3-azasilinane Structure by GED/MS, QC, NMR B. A. Shainyan, S. V. Kirpichenko, S. A. Shlykov, and E. Kleinpeter J. Phys. Chem. A, 116 (2012), 784
C₈H₁₇N₂O₃ NH ₂ CH(CH ₃)CONHCH(C ₃ H ₇)COOH	L-Alanyl-L-valine Mass-spectrometric study of saturated vapors V. G. Badelin, E. Y. Tyunina, A. V. Krasnov, V. V. Tyunina, N. I. Giricheva, and G. V. Girichev Zh. Fiz. Khim., 86 (2012), 528 / Russ. J. Phys. Chem., 86 (2012), 457
C₉H₁₁NO₂	L-Phenylalanine Mass-spectrometric study of saturated vapors

$\text{COOHCH}(\text{NH}_2)\text{CH}_2\text{C}_6\text{H}_5$	<i>E. Y. Tyunina, V. G. Badelin, G. V. Girichev, and V. V. Tyunina</i> XVIII. International Conference on Chemical Thermodynamics in Russia, (2012), p.162
$\text{C}_9\text{H}_{11}\text{NO}_2$ $\text{COOHCH}(\text{NH}_2)\text{CH}_2\text{C}_6\text{H}_5$	L-Phenylalanine Mass-spectrometric study of saturated vapors <i>V. G. Badelin, E. Y. Tyunina, V. V. Tyunina, A. V. Krasnov, and G. V. Girichev</i> Manuscript in preparation
$\text{C}_9\text{H}_{11}\text{NO}_3$ $\text{COOHCH}(\text{NH}_2)\text{CH}_2\text{C}_6\text{H}_4\text{O}$ H	L-Tyrosine Mass-spectrometric study of saturated vapors <i>V. G. Badelin, E. Y. Tyunina, V. V. Tyunina, A. V. Krasnov, and G. V. Girichev</i> Manuscript in preparation
$\text{C}_{10}\text{H}_7\text{ClO}_2\text{S}$ $b\text{-C}_{10}\text{H}_7(\text{SO}_2\text{Cl})$	β- Naphthalenesulfonyl chloride Structure by GED/MS and QC <i>N. I. Giricheva, V. M. Petrov, H. Oberhammer, G. V. Girichev, V. N. Petrova, S. N. Ivanov, and M. Dakkouri</i> Manuscript complete
$\text{C}_{10}\text{H}_7\text{ClO}_2\text{S}$ $a\text{-C}_{10}\text{H}_7(\text{SO}_2\text{Cl})$	α- Naphthalenesulfonyl chloride Structure by GED/MS and QC <i>N. I. Giricheva, V. M. Petrov, H. Oberhammer, G. V. Girichev, V. N. Petrova, S. N. Ivanov, and M. Dakkouri</i> Struct. Chem., accepted
$\text{C}_{10}\text{H}_7\text{FO}_2\text{S}$ $b\text{-C}_{10}\text{H}_7(\text{SO}_2\text{F})$	β- Naphthalenesulfonyl fluoride Structure by GED/MS and QC <i>N. I. Giricheva, V. M. Petrov, H. Oberhammer, G. V. Girichev, V. N. Petrova, S. N. Ivanov, and M. Dakkouri</i> Manuscript complete
$\text{C}_{10}\text{H}_{10}\text{O}_2$ $\text{CH}_3\text{-C}(\text{O})\text{-CH}_2\text{-C}(\text{O})\text{-C}_6\text{H}_5$	Benzoylacetone 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, 116 (2012), 3428
$\text{C}_{11}\text{H}_{12}\text{N}_2\text{O}_2$ $\text{COOHCH}(\text{NH}_2)\text{CH}_2\text{C}_8\text{H}_6\text{N}$	L-Tryptophan Mass-spectrometric study of saturated vapors <i>V. G. Badelin, E. Y. Tyunina, V. V. Tyunina, A. V. Krasnov, and G. V. Girichev</i> Manuscript in preparation
$\text{C}_{11}\text{H}_{16}\text{Si}$ $\text{C}_5\text{H}_{10}\text{Si}(\text{C}_6\text{H}_5)\text{H}$	1-Phenyl-1-silacyclohexane Structure by GED/MS, QC, NMR <i>B. A. Shainyan, S. V. Kirpichenko, S. A. Shlykov, E. Kleinpeter, and D. Yu. Osadchiy</i> Refinement in progress
$\text{C}_{15}\text{H}_3\text{F}_{18}\text{O}_6\text{Sc}$ $\text{ScO}_6\text{C}_{15}\text{H}_3\text{F}_{18}$	Scandium hexafluoroacetylacetonate Mass-spectrometric study of saturated vapors <i>N. V. Belova, G. V. Girichev, N. I. Giricheva, I. G. Zaitzeva, I. O. Zyabko, A. V. Krasnov, N. P. Kuzmina, and S. A. Shlykov</i> Chemistry and Chemical Technology Research-Engineering Journal, 55 (2012), 50
$\text{C}_{15}\text{H}_{21}\text{CoO}_6$ $\text{CoC}_{15}\text{H}_{21}\text{O}_6$	Tris(acetylacetonato)cobalt Structure by GED/MS and QC <i>N. V. Tverdova, G. V. Girichev, S. A. Shlykov, N. P. Kuz'mina, I. G. Zaitseva, and A. A. Petrova</i> J. Struct. Chem., accepted
$\text{C}_{15}\text{H}_{21}\text{CrO}_6$	Tris(acetylacetonato)chromium Structure by GED/MS and QC

$\text{CrC}_{15}\text{H}_{21}\text{O}_6$	<i>N. V. Tverdova, G. V. Girichev, S. A. Shlykov, N. P. Kuz'mina, I. G. Zaitseva, and A. A. Petrova</i> J. Struct. Chem., accepted
$\text{C}_{15}\text{H}_{21}\text{O}_6\text{Sc}$ $\text{ScO}_6\text{C}_{15}\text{H}_{21}$	Scandium acetylacetonate Mass-spectrometric study of saturated vapors <i>N. V. Belova, G. V. Girichev, N. I. Giricheva, I. G. Zaitseva, I. O. Zyabko, A. V. Krasnov, N. P. Kuzmina, and S. A. Shlykov</i> Chemistry and Chemical Technology Research-Engineering Journal, 55 (2012), 50
$\text{C}_{16}\text{H}_8\text{BeN}_8$ $\text{BeN}_8\text{C}_{16}\text{H}_8$	Beryllium porphyrazine Structure by QC calculations <i>V. V. Sliznev and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.126
$\text{C}_{16}\text{H}_8\text{BeN}_8$ $\text{BeN}_8\text{C}_{16}\text{H}_8$	Beryllium porphyrazine Structure by QC calculations <i>V. V. Sliznev</i> Macroheterocycles, (2013), in press
$\text{C}_{16}\text{H}_8\text{MgN}_8$ $\text{MgN}_8\text{C}_{16}\text{H}_8$	Magnesium porphyrazine Structure by QC calculations <i>V. V. Sliznev and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.126
$\text{C}_{16}\text{H}_8\text{MgN}_8$ $\text{MgN}_8\text{C}_{16}\text{H}_8$	Magnesium porphyrazine Structure by QC calculations <i>V. V. Sliznev</i> Macroheterocycles, (2013), in press
$\text{C}_{20}\text{H}_{12}\text{BeN}_4$ $\text{BeN}_4\text{C}_{20}\text{H}_{12}\text{N}_4$	Beryllium porphyrine Structure by QC calculations <i>V. V. Sliznev and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.126
$\text{C}_{20}\text{H}_{12}\text{BeN}_4$ $\text{BeN}_4\text{C}_{20}\text{H}_{12}\text{N}_4$	Beryllium porphyrine Structure by QC calculations <i>V. V. Sliznev</i> Macroheterocycles, (2013), in press
$\text{C}_{20}\text{H}_{12}\text{MgN}_4$ $\text{MgN}_4\text{C}_{20}\text{H}_{12}$	Magnesium porphyrine Structure by QC calculations <i>V. V. Sliznev and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.126
$\text{C}_{20}\text{H}_{12}\text{MgN}_4$ $\text{MgN}_4\text{C}_{20}\text{H}_{12}$	Magnesium porphyrine Structure by QC calculations <i>V. V. Sliznev</i> Macroheterocycles, (2013), in press
$\text{C}_{24}\text{H}_{30}\text{F}_9\text{O}_6\text{Sc}$ $\text{ScO}_6\text{C}_{24}\text{H}_{30}\text{F}_9$	Scandium thrifluoropivaloylacetonate Mass-spectrometric study of saturated vapors <i>N. V. Belova, G. V. Girichev, N. I. Giricheva, I. G. Zaitseva, I. O. Zyabko, A. V. Krasnov, N. P. Kuzmina, and S. A. Shlykov</i> Chemistry and Chemical Technology Research-Engineering Journal, 55 (2012), 50
$\text{C}_{24}\text{H}_{39}\text{O}_6\text{Sc}$ $\text{ScO}_6\text{C}_{24}\text{H}_{39}$	Scandium pivaloyacetonate Mass-spectrometric study of saturated vapors <i>N. V. Belova, G. V. Girichev, N. I. Giricheva, I. G. Zaitseva, I. O. Zyabko, A. V. Krasnov, N. P. Kuzmina, and S. A. Shlykov</i>

	Chemistry and Chemical Technology Research-Engineering Journal, 55 (2012), 50
C₂₈H₂₈N₄Ni NiN ₄ C ₂₈ H ₂₈	Nickel octamethylporphyrine Structure by GED/MS and QC <i>G. V. Girichev, A. E. Pogonin, and Yu. V. Minenkov</i> Manuscript in preparation
C₂₈H₂₈N₄Sn SnN ₄ C ₂₈ H ₂₈	Octamethylporphyrin tin(II) 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., 41 (2012), 7550
C₃₀H₁₅N₁₅S₃	Thiadiazole containing hemihexaphyrines Structure by GED/MS, QC <i>M. K. Islyaikin, Yu. A. Zhabanov, O. N. Trukhina, E. A. Danilova, S. A. Shlykov, A. V. Zakharov, and G. V. Girichev</i> 7th International Conference on Porphyrins and Phthalocyanines (ICPP-7). Jeju, Korea, (2012), p. 416
C₃₀H₁₅N₁₅S₃	Thiadiazole-containing expanded heteroazaporphirinoid Structure by GED/MS, QC <i>Y. A. Zhabanov, A. V. Zakharov, and M. K. Islyaikin</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.126
C₃₂H₁₆BeN₈ BeN ₈ C ₃₂ H ₁₆	Beryllium phthalocyanine Structure by QC calculations <i>V. V. Sliznev and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.126
C₃₂H₁₆BeN₈ BeN ₈ C ₃₂ H ₁₆	Beryllium phthalocyanine Structure by QC calculations <i>V. V. Sliznev</i> Macroheterocycles, (2013), in press
C₃₂H₁₆MgN₈ MgN ₈ C ₃₂ H ₁₆	Magnesium phthalocyanine Structure by QC calculations <i>V. V. Sliznev and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.126
C₃₂H₁₆MgN₈ MgN ₈ C ₃₂ H ₁₆	Magnesium phthalocyanine Structure by QC calculations <i>V. V. Sliznev</i> Macroheterocycles, (2013), in press
C₃₂H₁₆N₈Ni NiC ₃₂ H ₁₆ N ₈	Nickel phthalocyanine Structure by GED/MS and QC <i>N. V. Tverdova, G. V. Girichev, N. I. Giricheva, and O. A. Pimenov</i> J. Mol. Struct., 1023 (2012), 227
C₃₂H₁₆N₈OV VON ₈ C ₃₂ H ₁₆	Oxovanadium phthalocyanine Structure by GED/MS and QC <i>N. V. Tverdova, G. V. Girichev, A. V. Krasnov, O. A. Pimenov, and O. I. Koifman</i> Struct. Chem., accepted
C₃₂H₃₆CoN₄ CoN ₄ C ₃₂ H ₃₆	Cobalt etioporphyrin-II Mass-spectrometric study of saturated vapors <i>A. E. Pogonin, A. V. Krasnov, Yu. A. Zhabanov, A. A. Perov, V. D. Rumyantseva, A. A. Ischenko, and G. V. Girichev</i> Macroheterocycles, 5 (2012), 315
	Cobalt etioporphyrin-II

$C_{32}H_{36}CoN_4$ $CoN_4C_{32}H_{36}$	Structure by GED/MS and QC <i>G. V. Girichev, A. E. Pogonin, and N. V. Tverdova</i> Manuscript in preparation
$C_{32}H_{36}CoN_4$ $CoN_4C_{32}H_{36}$	Cobalt etioporphyrin-II Structure and IR spectra by QC calculations □ experimental IR spectra <i>V. V. Sliznev, A. E. Pogonin, and G. V. Girichev</i> Manuscript in preparation
$C_{32}H_{36}CuN_4$ $CuN_4C_{32}H_{36}$	Copper etioporphyrin-II Mass-spectrometric study of saturated vapors <i>A. E. Pogonin, A. V. Krasnov, Yu. A. Zhabanov, A. A. Perov, V. D. Rumyantseva, A. A. Ischenko, and G. V. Girichev</i> Macroheterocycles, 5 (2012), 315
$C_{32}H_{36}CuN_4$ $CuN_4C_{32}H_{36}$	Copper etioporphyrin-II Structure by GED/MS and QC <i>G. V. Girichev, A. E. Pogonin, and N. V. Tverdova</i> Manuscript in preparation
$C_{32}H_{36}CuN_4$ $CuN_4C_{32}H_{36}$	Copper etioporphyrin-II Structure and IR spectra by QC calculations experimental IR spectra <i>V. V. Sliznev, A. E. Pogonin, and G. V. Girichev</i> Manuscript in preparation
$C_{32}H_{36}N_4Ni$ $NiN_4C_{32}H_{36}$	Nickel-etio porphyrin-II Mass-spectrometric study of saturated vapors <i>A. E. Pogonin, A. V. Krasnov, Yu. A. Zhabanov, A. A. Perov, V. D. Rumyantseva, A. A. Ischenko, and G. V. Girichev</i> Macroheterocycles, 5 (2012), 315
$C_{32}H_{36}N_4Ni$ $NiN_4C_{32}H_{36}$	Nickel-etio porphyrin-II Structure by GED/MS and QC <i>G. V. Girichev, A. E. Pogonin, and N. V. Tverdova</i> Manuscript in preparation
$C_{32}H_{36}N_4Ni$ $NiN_4C_{32}H_{36}$	Nickel-etio porphyrin-II Structure and IR spectra by QC calculations experimental IR spectra <i>V. V. Sliznev, A. E. Pogonin, and G. V. Girichev</i> Manuscript in preparation
$C_{32}H_{36}N_4Zn$ $ZnN_4C_{32}H_{36}$	Zinc etioporphyrin-II Mass-spectrometric study of saturated vapors <i>A. E. Pogonin, A. V. Krasnov, Yu. A. Zhabanov, A. A. Perov, V. D. Rumyantseva, A. A. Ischenko, and G. V. Girichev</i> Macroheterocycles, 5 (2012), 315
$C_{32}H_{36}N_4Zn$ $ZnN_4C_{32}H_{36}$	Zinc etioporphyrin-II Structure by GED/MS and QC <i>G. V. Girichev, A. E. Pogonin, and N. V. Tverdova</i> Manuscript in preparation
$C_{32}H_{36}N_4Zn$ $ZnN_4C_{32}H_{36}$	Zinc etioporphyrin-II Structure and IR spectra by QC calculations experimental IR spectra <i>V. V. Sliznev, A. E. Pogonin, and G. V. Girichev</i> Manuscript in preparation
$C_{33}H_{57}CoO_6$ $CoO_6C_{33}H_{57}$	Tris(dipivaloylmethanato)cobalt Structure by GED and QC <i>N. V. Tverdova, S. Samdal, and G. V. Girichev</i> Struct. Chem., accepted
	Tris(dipivaloylmethanato)chromium

$C_{33}H_{57}CrO_6$ $CrO_6C_{33}H_{57}$	Structure by GED and QC <i>N. V. Tverdova, S. Samdal, and G. V. Girichev</i> Struct. Chem., accepted
$C_{33}H_{57}EuO_6$ $EuO_6C_{33}H_{57}$	Europium dipivaloylmethanate Structure by QC calculations <i>V. V. Sliznev, N. V. Belova, and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.127
$C_{33}H_{57}GdO_6$ $GdO_6C_{33}H_{57}$	Gadolinium dipivaloylmethanate Structure by QC calculations <i>V. V. Sliznev, N. V. Belova, and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.127
$C_{33}H_{57}LaO_6$ $LaO_6C_{33}H_{57}$	Lanthanum dipivaloylmethanate Structure by QC calculations <i>V. V. Sliznev, N. V. Belova, and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.127
$C_{33}H_{57}LuO_6$ $LuO_6C_{33}H_{57}$	Lutetium dipivaloylmethanate Structure by QC calculations <i>V. V. Sliznev, N. V. Belova, and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.127
$C_{33}H_{57}O_6Tb$ $TbO_6C_{33}H_{57}$	Terbium dipivaloylmethanate Structure by QC calculations <i>V. V. Sliznev, N. V. Belova, and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.127
$C_{33}H_{57}O_6Tm$ $TmO_6C_{33}H_{57}$	Thulium dipivaloylmethanate Structure by QC calculations <i>V. V. Sliznev, N. V. Belova, and G. V. Girichev</i> Proc. XVI Symposium of intermolecular interaction and molecular conformations, Ivanovo, (2012), p.127
$C_{33}O_6H_{57}In$ $InO_6C_{33}H_{57}$	Indium dipivaloylmethanate Structure by GED/MS and QC <i>N. V. Belova, G. V. Girichev, A. Haaland, T. A. Zhukova, and N. P. Kuzmima</i> Struct. Chem., in press
$C_{40}H_{24}Al_2ON_8$ $(AlC_{20}N_4H_{12})_2O$	μ-oxo dimer of aluminium(III) porphyrine Structure by QC calculations <i>A. V. Zakharov</i> Struct. Chem., DOI: 10.1007/s11224-013-0216-2
$C_{72}H_{32}F_{24}MgN_8$ $MgC_{72}N_8F_{24}H_{32}$	Magnesium octa(trifluoromethylphenyl)porphyrine Structure by GED/MS and QC <i>A. V. Zakharov, Yu. A. Zhabanov, S. A. Shlykov, and G. V. Girichev</i> Manuscript in preparation
O_6Sb_4 Sb_4O_6	Antimony(III) oxide Structure by GED/MS and QC <i>S. L. Masters, G. V. Girichev, and S. A. Shlykov</i> Dalton Trans., DOI:10.1039/C2DT32790B
	Electromic effects of substituents in o-nitrobenzenesulphonic acid by NBO <i>S. N. Ivanov, N. I. Giricheva, M. A. Fedorov, I. A. Men'shikova, T. V. Nurkevich, and E. G. Tarasova</i>

Russ. J. Struct. Chem., DOI: 10.7868/S0044453713040122

Thiadiazole-containing expanded heteroazaporphinoid

Structure by GED/MS, QC

Y. A. Zhabanov, A. V. Zakharov, S. A. Shlykov, M. K. Islyaikin, and G. V. Girichev

XXIV. Symposium on molecular structure and dynamics, USA, Dallas, (2012), p. 165