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AsP₃ P ₃ As	Triphosporous arsenic Structure by ED B. M. Cossairt, C. C. Cummins, A. R. Head, D. L. Lichtenberger, R. J. F. Berger, S. A. Hayes, N. W. Mitzel, G. Wu J. Am. Chem. Soc. 132 (2010), 8459
C₃AsF₉ As(CF ₃) ₃	Tris-trifluoromethylarsine Structure by ED R. J. F. Berger, N. W. Mitzel J. Mol. Struct. 978 (2010), 205
C₄ClF₁₀P ClP(C ₂ F ₅) ₂	Chlorobis(pentafluoroethyl)phosphane Structure by ED and Synthesis S. A. Hayes, R. J. F. Berger, N. W. Mitzel*, J. Bader, B. Hoge* Chem. Eur. J. , submitted.
C₄H₅FO₂ H ₃ CC(O)CH ₂ C(O)F	Acetyl acetofluoride Structure by ED, study of tautomerism by combined IR, RAMAN, NMR, GED and <i>ab initio</i> methods N. V. Belova, H. Oberhammer, X. Zeng, M. Gerken, H. Willner, R. J. F. Berger, S. A. Hayes, N. W. Mitzel Phys. Chem. Chem. Phys. 12 (2010), 11445
C₄H₁₁NO₃Si Me ₃ SiCH ₂ ONO ₂	(Nitratomethyl)trimethylsilane Structure by ED and reactivity study T. M. Klapötke, B. Krumm, A. Nieder, R. J. F. Berger, S. A. Hayes, N. W. Mitzel, Dennis Troegel, R. Tacke Inorg. Chem. 49 (2010), 4865
C₅H₁₁NO₃ tBu-CH ₂ ONO ₂	2-Methyl-2-nitratomethyl-propane Structure by ED and reactivity study T. M. Klapötke, B. Krumm, A. Nieder, R. J. F. Berger, S. A. Hayes, N. W. Mitzel, Dennis Troegel, R. Tacke Inorg. Chem. 49 (2010), 4865
C₆F₁₅P P(C ₂ F ₅) ₃	Tris-pentafluoroethylphosphine Synthesis and Structure and conformational study by ED and DFT methods S. A. Hayes, R. J. F. Berger, J. Bader, N. W. Mitzel, B. Hoge Dalton Trans. 39 (2010), 5630
C₉HF₁₁O C ₆ F ₅ C(CF ₃) ₂ OH	Bis[trifluoromethyl]pentafluorobenzyl alcohol Structure by ED, study of combined IR, RAMAN, NMR, GED and <i>ab initio</i> methods N. Trapp, H. Scherer, S. A. Hayes, R. J. F. Berger, A. Kütt, N. W. Mitzel, J. Saame, I. Krossing Phys. Chem. Chem. Phys. accepted
C₃₃H₂₄IrN₃ fac-Ir[₂ -(C ₆ H ₄)-C ₅ NH ₄] ₃	fac-Tris[2-phenylpyridine] iridium(III) Structure by ED and XRD of new solid modification R. J. F. Berger, B. Neumann, H.-G. Stammer, N. W. Mitzel

	Eur. J. Inorg. Chem. 11 (2010), 1613
F₂N₃P F ₂ PN ₃	<p>Azido(difluoro)phosphane</p> <p>Structure by ED, study of combined IR, RAMAN, NMR, GED and <i>ab initio</i> methods</p> <p>X. Zeng, H. Beckers, * H. Willner, R. J. F. Berger, S. A. Hayes, N. W. Mitzel</p> <p>Eur. J. Inorg. Chem. 2010, online published DOI: 10.1002/ejic.201000882</p>
P P ₄	<p>Phosphorous</p> <p>Structure by ED</p> <p>B. M. Cossairt, C. C. Cummins, A. R. Head, D. L. Lichtenberger, R. J. F. Berger, S. A. Hayes, N. W. Mitzel, G. Wu</p> <p>J. Am. Chem. Soc. 132 (2010), 8459</p>