

Selected papers

- C. Le Floc'h, R. A. Henderson, P. B. Hitchcock, D. L. Hughes, Z. Janas, R. L. Richards, P. Sobota, S. Szafert**
Reactions of substituted hydrazines with vanadium(III) compounds: crystal structures of $[\text{NH}_2\text{Me}_2]_2[(\text{VCl}_3)_2(\mu\text{-NNMe}_2)_3]$, $[\text{V}(\text{OC}_6\text{H}_3\text{Pr}^i_{2-2,6})_3(\text{NH}_2\text{NMe}_2)_2]$ and $[\text{V}(\text{OC}_6\text{H}_3\text{Pr}^i_{2-2,6})_3(\text{NH}_2\text{NMePh})_2]$.
J. Chem. Soc., Dalton Trans. **1996**, 2755.
- Z. Janas, T. Lis, P. Sobota**
Formation of mono- and multimanganese cationic species. Crystal structure of $[\text{Mn}_4(\mu\text{-Cl})_3(\text{thf})_{12}][\text{SnCl}_5(\text{thf})_2]$.
Inorg. Chem. **1996**, 35, 5737.
- Z. Janas, P. Sobota, M. Kasprzak, T. Głowiak**
Synthesis and molecular structure of the tetranuclear vanadium(III) – magnesium(II) complex. A procatalyst of the olefin polymerization process.
J. Chem. Soc., Chem. Commun. **1996**, 2727.
- S. C. Davies, D. L. Hughes, Z. Janas, L. Jerzykiewicz, R. L. Richards, J. R. Sanders, P. Sobota**
Vanadium complexes of the $\text{N}(\text{CH}_2\text{CH}_2\text{S})_3^{3-}$ ligand with co-ligands relevant to nitrogen fixation process
J. Chem. Soc., Chem. Commun. **1997**, 1261.
- Z. Janas, P. Sobota, M. Klimowicz, S. Szafert, K. Szczegot, L. B. Jerzykiewicz**
2-Tetrahydrofurfuroxo-vanadium-(III) and -(IV) complexes. Synthesis, structures and reactivities of $[\text{V}_2\text{Mg}_2(\mu_3, \eta^2\text{-thffo})_2(\mu, \eta^2\text{-thffo})_4\text{Cl}_4] \cdot 2\text{CH}_2\text{Cl}_2$ and $[\text{V}_2(\mu, \eta^2\text{-thffo})_2\text{Cl}_2(\text{O})_2]$.
J. Chem. Soc., Dalton Trans. **1997**, 3897.
- R. A. Henderson, D. L. Hughes, Z. Janas, R. L. Richards, P. Sobota, S. Szafert**
Preparation and crystal structures of the mononuclear vanadium phenoxide complexes $[\text{VCl}(\text{OC}_6\text{H}_3\text{Pr}^i_{2-2,6})_2(\text{C}_4\text{H}_8\text{O})_2]$ and $[\text{VO}(\text{OC}_6\text{H}_3\text{Pr}^i_{2-2,6})_3]$: procatalysts for ethylene polymerisation.
J. Organomet. Chem. **1998**, 554, 195.
- Z. Janas, L. B. Jerzykiewicz, P. Sobota, J. Utko**
Synthesis and crystal structures of the heptamagnesium cationic and mixed magnesium(II)/nickel(II) molecular 2-tetrahydrofurfuroxo aggregates.
New J. Chem. **1999**, 185.

8. **R. A. Henderson, Z. Janas, L. B. Jerzykiewicz, R. L. Richards, P. Sobota**
Vanadium phenoxide complexes with oxide, nitride or hydrazide coligands.
Preparation and crystal structures of $[V(OC_6H_3Pr^{1-2,6})_3NLi(C_4H_8O)_3]$,
 $[VO_2(OC_6H_3Pr^{1-2,6})_2]\{\mu-Li(C_4H_8)_2\}_2$ and $[V(OC_6H_3Pr^{1-2,6})_3(NNMe_2)]$.
Inorg. Chem. Acta **1999**, 285, 178.
9. **Z. Janas, L. B. Jerzykiewicz, R. L. Richards, P. Sobota**
Synthesis and molecular structure of vanadium(III) dithiolate complexes. A new class of alkene polymerization catalysts.
Chem. Commun. **1999**, 1015.
10. **S. C. Davies, D. L. Hughes, Z. Janas, L. Jerzykiewicz, R. L. Richards, J. R. Sanders, P. Sobota**
Vanadium complexes of the $N(CH_2CH_2S)_3^{3-}$ and $O(CH_2CH_2S)_2^{2-}$ ligands with co-ligands relevant to nitrogen fixation process.
Inorg. Chem. **2000**, 39, 3485.
11. **Z. Janas, L. B. Jerzykiewicz, S. Przybylak, R. L. Richards, P. Sobota**
Syntheses and structural characterization of thiolato vanadium and aluminum compounds
Organometallics **2000**, 19, 4252.
12. **Z. Janas, L. Jerzykiewicz, R. L. Richards, P. Sobota**
Dithiolate-hydrazido(2-) molybdenum complexes; synthesis and structure
Inorganica Chimica Acta **2003**, 350, 379.
13. **Z. Janas, L. Jerzykiewicz, K. Przybylak, P. Sobota, K. Szczegot**
Titanium complexes stabilized by a sulfur-bridged chelating bis(aryloxo) ligand as active catalysts for olefin polymerization
Eur. J. Inorg. Chem. **2004**, 1639.
14. **Z. Janas, L. Jerzykiewicz, K. Przybylak, P. Sobota, K. Szczegot, D. Wiśniewska**
Titanium Complexes of Chelating Dianionic [OSO] Bisphenolato Ligand: Syntheses, Characterization and Catalytic Activity.
Eur. J. Inorg. Chem. **2005**, 1063.
15. **Z. Janas, P. Sobota**
Aryloxo and thiolato vanadium complexes as chemical models of the active site of vanadium nitrogenase
Coord. Chem. Rev. **2005**, 249, 2144.
16. **Z. Janas, L. Jerzykiewicz, P. Sobota, K. Szczegot, D. Wiśniewska**
Homo- and Heterometallic Aluminum and Titanium Complexes of Tridentate (OSO) Ligand: Synthesis, Structure and Catalytic Activity.
Organometallics **2005**, 24, 3987.

17. **D. Wiśniewska, Z. Janas, P. Sobota, L. B. Jerzykiewicz**
Dimethyl Group IV Metal Complexes of the OSO-Type Ligand Bering AlMe₂ Moieties
Organometallics **2006**, 25, 6166.
18. **Z. Janas**
Tio(bisaryloxo) kompleksy tytanu - prekatalizatory polimeryzacji etenu.
(Thio(bisaryloxo) titanium complexes - precatalysts of etene polymerization)
Wiadomości Chemiczne **2006**, 60, 747.
19. **Z. Janas, D. Wiśniewska, L. B. Jerzykiewicz, P. Sobota, K. Drabant, K. Szczegot**
Synthesis, structural studies and reactivity of vanadium complexes with tridentate (OSO) ligand.
Dalton Trans. **2007**, 2065.
20. **Z. Janas, D. Godbole, T. Nerkowski and K. Szczegot**
Zirconium and hafnium complexes of the thio(bisphenolato) ligand: synthesis, structural characterization and testing as 1-hexene polymerization catalysts
Dalton Trans. **2009**, 8846.
21. **Z. Janas**
Well-defined single-site thiobis(phenolate) Group 4 metal catalysts for heterogeneous olefin polymerization
Coord. Chem. Rev. **2010**, 254, 2227.
22. **Z. Janas, T. Nerkowski, E. Kober, L. B. Jerzykiewicz, T. Lis**
Lithium Complexes Supported by Tripodal Diaminebis(aryloxo) Ligands: Synthesis and Structure.
Dalton Transactions **2012**, 41, 442-447.