

Selected papers of Michael Feist

Oxides, Halides, and Halocomplexes

M. Feist, S. Trojanov, E. Kemnitz, *Inorg. Chem.* **35** (1996) 3067-8.
A Binuclear Chloroferrate Anion with Octahedral Metal Coordination:
Octachloro(μ -oxalato)diferrate(III), $[(\text{FeCl}_4)_2(\mu\text{-C}_2\text{O}_4)]^{4-}$.

M. Feist, S. Trojanov, H. Mehner, K. Witke, E. Kemnitz, *Z. anorg. allg. Chem.* **625** (1999) 141-6.
Zwei Oxidationsstufen und vier verschiedene Koordinationen von Eisen in einer Verbindung.
Synthese, Kristallstruktur und spektroskopische Charakterisierung von
1,4-Dimethylpiperazinium-Chloroferrat(II,III), $(\text{dmpipzH}_2)_6 [\text{Fe}^{\text{II}}\text{Cl}_4]_2 [\text{Fe}^{\text{III}}\text{Cl}_4]_2 [\text{Fe}^{\text{II}}\text{Cl}_5] [\text{Fe}^{\text{III}}\text{Cl}_6]$

M. Feist, R. Kunze, D. Neubert, K. Witke, H. Mehner, E. Kemnitz, *Thermochim. Acta* **361** (2000) 53-60.
Two oxidation states and four different coordinations of iron in an unusual chloro complex.
TG-MS, Raman and Mössbauer spectroscopic investigations of the thermal behaviour

R. Stößer, M. Feist, *J. Phys. Chem. C* **112** (2008) 16438-444.
Exothermal water release from pseudoboehmite gels and their mechanically treated analogs
caused by activated hydrogen

R. Stößer, M. Feist, C. Willgeroth, F. Emmerling, M. Menzel, H. Reuther,
J. Solid State Chem. **202** (2013) 173-90.
The "quiet Goldschmidt" - a mechanochemical, thermoanalytical, and spectroscopic study of
selected steps of the aluminothermic reaction

Applications of Pulse Thermal Analysis

M. Feist, I. K. Murwani, E. Kemnitz, *J. Therm. Anal. Calor.* **72** (2003) 75-82.
Hydrodechlorination of $\text{CF}_3\text{-CCl}_2\text{F}$ (CFC-114a) on Pd/ $\beta\text{-AlF}_3$. An application of *PulseTA*[®]

M. Feist, E. Kemnitz, *Thermochim. Acta* **446** (2006) 84-90.
Applications of *PulseTA*[®] to the investigation of fluorides. An attempt to calibrate HF

M. Feist, R. König, S. Bäßler, E. Kemnitz, *Thermochim. Acta* **498** (2010) 100-5.
Adsorption properties of various forms of aluminium trifluoride investigated by *PulseTA*[®]

M. Feist, K. Teinz, S. Robles Manuel, E. Kemnitz, *Thermochim. Acta* **524** (2011) 170-8.
Characterization of surfacial basic sites of sol gel-prepared alkaline earth fluorides by
means of *PulseTA*[®]

M. Feist, *GIT Laborfachzeitschrift* **58** (4) (2014) 31-4.
Eine Erweiterung von TA-MS-Kopplungen

M. Feist, M. Ahrens, A. Siwek, Th. Braun, E. Kemnitz, *J. Therm. Anal. Calor.* **121** (2015) 929-35.
Triethylsilane-loaded aluminium chlorofluoride - Adsorption properties and
hydrodefluorination reactions studied with *PulseTA*[®]

M. Feist, *ChemTexts* (2015) 1:8.
Thermal Analysis - Basics, applications, and benefit

A. Siwek, M. Ahrens, M. Feist, Th. Braun, E. Kemnitz, *Chem. Cat. Chem.* **9** (2017) (5) 839-45.

Activation of chlorinated methanes at the surface of nanoscopic Lewis acidic aluminium fluorides